KOLAR Document ID: 1461633

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form T-1 July 2014 Form must be Typed Form must be Signed All blanks must be Filled

REQUEST FOR CHANGE OF OPERATOR TRANSFER OF INJECTION OR SURFACE PIT PERMIT

Form KSONA-1, Certification of Compliance with the Kansas Surface Owner Notification Act, MUST be submitted with this form.

Check Applicable Boxes: MUST be subm	itted with this form.			
Oil Lease: No. of Oil Wells**	Effective Date of Transfer:			
Gas Lease: No. of Gas Wells**	KS Dept of Revenue Lease No.:			
Gas Gathering System:				
Saltwater Disposal Well - Permit No.:	Lease Name:			
Spot Location: feet from N / S Line feet from E / W Line	Legal Description of Lease:			
Enhanced Recovery Project Permit No.:				
Entire Project: Yes No	County: Production Zone(s):			
Number of Injection Wells **				
Field Name:				
** Side Two Must Be Completed.	Injection Zone(s):			
200000000000000000000000000000000000000				
Surface Pit Permit No.:	feet from N / S Line of Section			
(API No. if Drill Pit, WO or Haul)	feet from E / W Line of Section			
Type of Pit: Emergency Burn Settling	Haul-Off Workover Drilling			
Pact Operator's License No.	Contact Person:			
Past Operator's License No.	Contact Person:			
Past Operator's Name & Address:	Phone:			
	Date:			
Title:	Signature:			
New Operator's License No.	Contact Person:			
New Operator's Name & Address:	Phone:			
	Oil / Gas Purchaser:			
	Date:			
Title:	Signature:			
Acknowledgment of Transfer: The above request for transfer of injection	n authorization, surface pit permit # has been			
noted, approved and duly recorded in the records of the Kansas Corporation	n Commission. This acknowledgment of transfer pertains to Kansas Corporation			
Commission records only and does not convey any ownership interest in the	above injection well(s) or pit permit.			
is acknowledged as	is acknowledged as			
the new operator and may continue to inject fluids as authorized by	the new operator of the above named lease containing the surface pit			
Permit No.: Recommended action:	permitted by No.:			
Date: Authorized Signature	Date:			
DISTRICT EPR	PRODUCTION UIC			
DISTRICT EFF	THOUSE HON			

KOLAR Document ID: 1461633

Side Two

Must Be Filed For All Wells

* Lease Name:			* Location:		
Well No.	API No. (YR DRLD/PRE '67)	Footage from Secti (i.e. FSL = Feet from S	on Line	Type of Well (Oil/Gas/INJ/WSW)	Well Status (PROD/TA'D/Abandoned)
		Circle FSL/FNL	<i>Circle</i> FEL/FWL		
	· -	FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		FSL/FNL	FEL/FWL		
		I JL/FINL	LL/ VVL		

A separate sheet may be attached if necessary

^{*} When transferring a unit which consists of more than one lease please file a separate side two for each lease. If a lease covers more than one section please indicate which section each well is located.

KOLAR Document ID: 1461633

Kansas Corporation Commission Oil & Gas Conservation Division

Form KSONA-1
July 2014
Form Must Be Typed
Form must be Signed
All blanks must be Filled

CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application).

Any such form submitted without an accompanying Form KSONA-1 will be returned.

Select the corresponding form being filed: C-1 (Intent) CB	3-1 (Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application)		
OPERATOR: License #	Well Location:		
Name:	· — — —		
Address 1:	County:		
Address 2:	Lease Name: Well #:		
City: State: Zip:+	If filing a Form T-1 for multiple wells on a lease, enter the legal description of		
Contact Person:	the lease below:		
Phone: () Fax: ()	_		
Email Address:			
Surface Owner Information:			
Name:			
Address 1:	sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the		
Address 2:	the state of the s		
City:	_		
	tank batteries, pipelines, and electrical lines. The locations shown on the plated on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.		
owner(s) of the land upon which the subject well is or will be	ce Act (House Bill 2032), I have provided the following to the surface be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form rem being filed is a Form C-1 or Form CB-1, the plat(s) required by this ex, and email address.		
KCC will be required to send this information to the surface	I acknowledge that, because I have not provided this information, the e owner(s). To mitigate the additional cost of the KCC performing this ress of the surface owner by filling out the top section of this form and he KCC, which is enclosed with this form.		
If choosing the second option, submit payment of the \$30.00 handl form and the associated Form C-1, Form CB-1, Form T-1, or Form C	lling fee with this form. If the fee is not received with this form, the KSONA-1 CP-1 will be returned.		
I hereby certify that the statements made herein are true and correct	ct to the best of my knowledge and belief.		
Date: Signature of Operator or Agent:	Title:		

ASSIGNMENT AND BILL OF SALE

KNOW ALL MEN BY THESE PRESENTS:

THAT THE UNDERSIGNED, Omega, Inc., 562 W. State Rd 4, Olmitz, KS 67564, hereinafter called Assignor, for and in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, does hereby grant, sell, transfer, assign, and convey unto, SOCO Minerals LLC, 202 West Main St. Salem, IL 62881, hereinafter called Assignee, One Third (1/3) of all Assignor's right, title, and working interest in, to, and under the oil and gas leases described in Exhibit "A" attached hereto and made a part hereof for all purposes, together with One Third (1/3) of all Assignor's right, title, and working interest in all wells located on the lands covered by the leases, it being the intention of Assignor to assign to Assignee One Third (1/3) of its working interest in the leases and the lands hereto, including the same proportionate interest in rights to any agreements, contracts, etc. associated with said wells and/or leases, together with the same proportionate interest in and to all the personal property located on the above described premises, appurtenant thereto, or used or obtained in connection therewith. It is not the intention of Assignor to assign royalty, overriding royalty, or mineral interests.

The Assignor does not warrant the title to any of the properties or leases described herein.

Assignor covenants with Assignee, its successors and assigns that the interests assigned hereunder are free and clear from all liens and mortgages created by Assignor.

It is expressly understood by Assignee that any personal property, fixtures, equipment, and items that comprise the assets are being conveyed to Assignee "as is" and "where is" and without warranty of merchantability, condition, or fitness for a particular purpose, either express or implied, and Assignee accepts such assets in their present condition with all faults and defects, including, but not limited to the presence of naturally occurring radioactive material.

The interests assigned herein are subject to all royalty and overriding royalty interests of record.

It is specifically understood that this Assignment and Bill of Sale conveys working interest only and any royalty, overriding royalty, or mineral interest owned by Assignor herein shall be excluded from this assignment.

This Assignment and Bill of Sale is subject to that certain unrecorded Purchase and Sale Agreement dated May 1, 2019. Said Purchase and Sale Agreement includes first-right-of-refusal terms covering the remaining working interest owned by Assignor in the properties described in Exhibit "A."

The interests assigned herein are subject to, but not limited to, all contracts, operating agreements, pooling agreements, unitization agreements, regulatory orders or approvals issued by the Kansas Corporation Commission, and any other agreement or writing, recorded or unrecorded, which pertains to or affects the interests assigned herein.

TO HAVE AND TO HOLD THE SAME UNTO Assignee, its successors and assigns, forever.

Assignee agrees to indemnify and save and hold Assignor, and its successors, harmless from all claims, costs, expenses, and liabilities with respect to the leases which accrue or relate to the times on or after the effective date of this Assignment and Bill of Sale. Likewise, Assignor agrees to indemnify and save and hold Assignee, and its successors, harmless from all claims, costs, expenses, and liabilities with respect to the leases which accrue to the times prior to the effective date of this Assignment and Bill of Sale.

Assignor agrees to execute, acknowledge, and deliver such other instruments, documents, or other items as may be necessary or required to more fully carry out the transaction contemplated herein.

This Assignment and Bill of Sale shall be binding upon and inure to the benefit of the parties hereto together with their respective successors and assigns.

This Assignment shall be governed by and construed in accordance with the laws of the State of Kansas.

Except as specifically provided herein, this Assignment is made without any warranty of any kind, including without limitation warranties of title, whether express, implied, or statutory.

This Assignment and Bill of Sale is executed the 1st day of May, 2019, but shall be effective as of 7:00 A.M., May 1, 2019.

ASSIGNOR: ATTEST: OMEGA, INC. Thomas Larson, Presider Carol Larson, Secretary/Treasurer **ASSIGNEE:** SOCO MINERALS, LLC ATTEST: By SHAKESPEARE OIL COMPANY, INC. Its Manager Bryan Hood Its President CORPORATE ACKNOWLEDGMENT COUNTY OF Barton Depra Jones _, a Notary Public in and for said State, on this 20 day of May, 2019, personally appeared Thomas Larson, President, and Carol Larson, Secretary/Treasurer, of Omega, Inc., a corporation, to me known to be the identical persons who subscribed the name of the maker thereof to the foregoing instrument as its **President** and Secretary/Treasurer, and acknowledged to me that they executed the same as their free and voluntary act and deed, and as the free and voluntary act and deed of such corporation for the uses and purposes therein set forth. NOTARY PUBLIC - State of Kansas DEBRA J. JONES My Commission Expires: 5-5-2020

STATE OF <u>Illinois</u>	
COUNTY OF <u>Marion</u>) ss.	CORPORATE ACKNOWLEDGMENT
Before me, Chery R. Baer day of May, 2019, personally app R. Williams, Vice President, of Shakespeare Of to be the identical persons who subscribed the instrument as its President and Vice President, a same as their free and voluntary act and deed, and corporation for the uses and purposes therein set for	name of the maker thereof to the foregoing and acknowledged to me that they executed the as the free and voluntary act and deed of such
OFFICIAL SEAL CHERYL R. BAER Notary Public, State of Illinois My Commission Expires 08-11-2022	Cherry R. Baer Notary Public My Commission Expires: 8-11-22

EXHIBIT "A"

To Assignment and Bill of Sale dated May 1, 2019

(where WI is working interest of Omega, Inc. and NRI is net revenue interest of Omega, Inc.)

LANE COUNTY

Albin Lease

Lessor: Rex D. Albin and Verda Albin, his wife

Lessee: Hartman Oil Co., Inc. Date: December 28, 2004

Recorded: Book 109, Page 137

Description: The Southeast Quarter (SE ¼) of Section 20, Township 16 South, Range 27 West,

Lane County, Kansas

WI: 0.72 NRI: 0.576

Boomhower "B" 1-16 Unit

Lessor: Gene W. Boomhower and Marlene J. Boomhower, husband and wife

Lessee: Scout Exploration Corp.

Date: February 14, 2012 and effective July 31, 2012

Recorded: Book 138, Page 71

Description: The Northeast Quarter (NE 1/4) and the Southeast Quarter (SE 1/4) of Section 16,

Township 17 South, Range 29 West, Lane County, Kansas

WI: 0.44 NRI: 0.3784

Cowdery Lease

Lessor: Robert D. Cowdery, as Trustee of the Robert D. Cowdery Revocable Trust dated

May 27, 1988

Lessee: Scout Exploration Corp.

Date: April 25, 2008 Recorded: Book 122, Page 253

Description: The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

Ratified: June 7, 2016
Recorded: Book 156, Page 59
Ratified: June 29, 2016
Recorded: Book 156, Page 60

WI: 0.275 NRI: 0.2365

Lessor: Allen C. Cowdery, as Successor Trustee of the Herman C. Cowdery Revocable

Trust dated June 14, 1978

Lessee: Scout Exploration Corp.

Date: April 25, 2008 Recorded: Book 122, Page 173

Description: The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

WI: 0.275 NRI: 0.2365

Lessor: Mary B. Cella

Lessee: Scout Exploration Corp.

Date: April 25, 2008 Recorded: Book 122, Page 195

Description: The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

WI: 0.275 NRI: 0.2365 Lessor:

Julie Bliss Miller

Lessee:

Scout Exploration Corp.

Date:

April 25, 2008

Recorded:

Book 122, Page 259

Description:

The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.275

NRI:

0.2365

Lessor:

Sarah Bliss Cowan
Scout Exploration Corp.

Lessee: Date:

April 25, 2008

Recorded:

Book 122, Page 260

Description:

The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.275

NRI:

0.2365

Lessor:

L. Geary Taylor and Sara Judith Taylor Living Trust U/A/D 04/30/02,

L. Geary Taylor and Sara Judith Taylor, Trustees

Lessee:

Scout Exploration Corp.

Date:

May 5, 2008

Recorded:

Book 122, Page 255

Description:

The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.275

NRI:

0.2365

Lessor:

Mark S. Van Aken and Suzanne Van Aken Family Trust U/A/D 06/01/04,

Mark S. Van Aken and Suzanne Van Aken, Trustees

Lessee:

Scout Exploration Corp.

Date: Recorded:

May 5, 2008 Book 122, Page 257

Description:

The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.275 0.2365

NRI:

Stephen M. Van Aken and Cheryl B. Van Aken, his wife

Lessor: Lessee:

Scout Exploration Corp.

Date:

May 5, 2008

Recorded:

Book 122, Page 254

Description:

The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.275

NRI:

0.2365

Lessor:

Phyllis Van Aken

Lessee:

Scout Exploration Corp.

Date:

May 5, 2008

Recorded:

Book 122, Page 258

Description:

The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.275

NRI:

0.2365

Lessor:

Scott Somich and Katherine Somich, his wife

Lessee:

Scout Exploration Corp.

Date:

May 5, 2008

Recorded:

Book 122, Page 252

Description:

The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.275

NRI:

0.2365

Lessor:

John G. Van Aken and Mary Ellen Majeske

Lessee:

Scout Exploration Corp.

Date:

May 5, 2008

Recorded:

Book 123, Page 32

Description:

The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.275

NRI:

0.2365

Lessor:

David Van Aken

Lessee:

Scout Exploration Corp.

Date:

May 5, 2008

Recorded:

Book 122, Page 256

Description:

The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.275

NRI:

0.2365

Lessor:

Steven B. Meldrum

Lessee:

Scout Exploration Corp.

Date:

April 25, 2008

Recorded:

Book 123, Page 30

Description:

The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.275

NRI:

0.2365

Lessor:

Bryan W. Meldrum Scout Exploration Corp.

Lessee: Date:

April 25, 2008

Recorded: Description: Book 123, Page 31 The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.275

NRI:

0.2365

Lessor:

Scout Exploration Corp.

Lessee: Date:

April 25, 2008

Recorded:

Book 123, Page 29

Linda M. Gilchrist

Description:

The Northeast Quarter (NE 1/4) of Section 29, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.275

NRI:

0.2365

Doris 1-<u>16</u>

Lessors:

J. Dennis and Mary Lou Doris, husband and wife

Lessee:

Scout Exploration Corp.

Date:

October 18, 2005

Recorded:

Book 111, Page 267

Description:

The West Half (W ½) of Section 16, Township 17 South, Range 28 West, Lane

County, Kansas

WI:

0.395

NRI:

0.3397

Eugene Lease

Lessor:

Eugene Shapland and Saundra Sue Shapland, Trustees of the Living Trust of

Eugene Shapland, dated August 5, 1988

Lessee:

Scout Exploration Corp.

Date:

August 3, 2011, but effective February 9, 2012

Recorded:

Book 135, Page 102

Description:

The Southwest Quarter (SW 1/4) of Section 27, Township 18 South, Range 28 West,

Lane County, Kansas

W۱۰ NRI: 0.425 0.3655

Geneva 1-28 Unit

Hineman Unit 1-28 (WIW)

Lessor:

Hineman Farms L.P., a Kansas limited partnership

Lessee: Date:

Scout Exploration Corp. September 26, 2013

Recorded:

Book 147, Page 58

Description:

The Northeast Quarter (NE 1/4) and the Northwest Quarter (NW 1/4) of Section 28.

Township 18 South, Range 28 West, Lane County, Kansas

WI: NRI: 0.30 0.258

Hall 1-21

Lessor:

Harold W. Hall, Jr. and wife, Juanita Hall

Lessee:

Scout Exploration Corp.

Date: Recorded: April 22, 2005

Description:

Book 110, Page 204

The West Half of the Northwest Quarter (W 1/2 NW 1/4) of Section 21, Township

16 South, Range 27 West, Lane County, Kansas

WI:

0.39

NRI:

0.3354

Lessor:

Elinor Reifschneider and husband, Boyd Reifschneider

Lessee:

Scout Exploration Corp.

Date:

April 22, 2005

Recorded:

Book 110, Page 205

Description:

The West Half of the Northwest Quarter (W 1/2 NW 1/4) of Section 21, Township

16 South, Range 27 West, Lane County, Kansas

WI:

0.39

NRI:

0.3354

Hanel 1-16

Lessor:

Lora K. Burnett, single

Lessee:

Pickrell Drilling Company, Inc.

Date:

September 5, 1990

Recorded:

Book 84, Page 186

Description:

The Northwest Quarter (NW/4) of Section 16, Township 18 South, Range 30

West, Lane County, Kansas, less and except the well-bore of the Burnett D #1 well located in the Northeast Quarter of the Southwest Quarter of the Northwest

Quarter (NE/4 SW/4 NW/4) of said Section Sixteen (16)

WI:

0.2583334

NRI:

0.2119688

Harper-James WFU

(Harper-James 1-22)

(Harper-Taldo 1-22 WIW)

Lessor:

Delbert C. Harper and Joan E. Harper, husband and wife

Lessee:

Scout Exploration Corp.

Date:

June 3, 2008 and effective October 28, 2008

Recorded:

Book 123, Page 54

Description:

The Northwest Quarter (NW 1/4) of Section 22, Township 18 South, Range 29 West,

Lane County, Kansas

Extension:

April 1, 2011

Recorded:

Book 135, Page 87

WI:

0.4

NRI:

0.344

Lessor:

Gerhard Neufeld and Julie Neufeld, husband and wife

Lessee:

Scout Exploration Corp.

Date:

June 3, 2008 and effective October 28, 2008

Recorded:

Book 123, Page 56

Description:

The Northwest Quarter (NW 1/4) of Section 22, Township 18 South, Range 29 West,

Lane County, Kansas

Extension:

April 1, 2011

Recorded:

Book 135, Page 86

WI:

0.4

NRI:

0.344

Lessor:

Alan Eugene James and Marilyn Louise James, husband and wife; and

John David James and Vickie Louise James, husband and wife

Lessee:

Scout Exploration Corp.

Date: Recorded: September 21, 2012 Book 144, Page 16

Description:

The East Half of the Southwest Quarter (E ½ SW ¼); and The Southeast Quarter (SE 1/4) less the following described tract of real estate: Commencing at the Northeast corner of the Southeast Quarter (SE 1/4) of Section 15, thence West along the North boundary line of said Quarter Section for a distance of 660 feet; thence South at a right angle for a distance of 660 feet; thence East at a right angle for a distance of 660 feet; thence North at a right angle along the East boundary line of said Section 15, for a distance of 660 feet, to the place of beginning, said tract comprising in all 10 acres, more or less in Section 15, Township 18 South, Range

29 West, Lane County, Kansas

WI:

0.4

NRI:

0.344

Lessor:

Celia H. Edwards, Trustee of the Celia H. Edwards GST Exempt Trust created

under the Delbert C. Harper Revocable Trust dated February 23, 2012

Lessee:

Scout Exploration Corp.

Date:

March 24, 2017 Book 157, Page 193

Recorded: Description:

The Northeast Quarter (NE 1/4) of Section 22, Township 18 South, Range 29

West, Lane County, Kansas

WI:

0.4

NRI:

0.344

Lessor:

Cynthia A. Chiles, Trustee of the Cynthia A. Chiles GST Exempt Trust created

under the Delbert C. Harper Revocable Trust dated February 23, 2012

Lessee:

Scout Exploration Corp.

Date:

March 24, 2017

Recorded: Description: Book 157, Page 195

The Northeast Quarter (NE 1/4) of Section 22, Township 18 South, Range 29

West, Lane County, Kansas

WI: NRI:

0.4

0.344

Lessor:

Julia Leigh Neufeld and Gerhard Neufeld, wife and husband

Lessee:

Scout Exploration Corp.

Date:

March 24, 2017

Recorded:

Book 157, Page 198

Description:

The Northeast Quarter (NE 1/4) of Section 22, Township 18 South, Range 29

West, Lane County, Kansas

WI:

0.4

NRI:

0.344

Harris 1-20

Harris Unit 1-20 (TA)

Cleo 1-20

Lessor:

Cleo Shull Harris (formerly known as Cleo B. Shull), a married woman dealing in

her sole and separate property

Lessee:

Scout Exploration Corp.

Date:

October 13, 2009 but effective February 15, 2010

Recorded:

Book 129, Page 97

Description:

The Southeast Quarter (SE/4) of Section 20, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0. 3308334

NRI:

0.284517

Lessor:

Cleo Shull Harris (formerly known as Cleo B. Shull), a married woman dealing in

her sole and separate property

Lessee:

Scout Exploration Corp.

Date:

October 13, 2009, and effective February 15, 2010

Recorded:

Book 129, Page 96

Description:

The Southwest Quarter (SW 1/4) of Section 20, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.3308334

NRI:

0.284517

Helen 3-17

Lessor:

Dennis E. Thomas and Judith L. Thomas, husband and wife

Lessee: Date:

Scout Exploration Corp.

Recorded:

March 30, 2011 Book 134, Page 51

Description:

The Southwest Quarter (SW ½) [except wellbore located in NE ½ of SW ¼ of

said SW ¼, located 990' North and 4290' West from the SE corner of said Section 17] in Section 17, Township 19 South, Range 28 West, Lane County, Kansas

WI:

0.43

NRI:

0.3698

James' Children's Trust 1-9

Walton #1 SWD

Lessor:

Diana James-Cairns and Rose Meals, Co-Trustees of the James' Children's Trust

Lessee:

Scout Exploration Corp.

Date:

July 25, 2013 and effective September 20, 2013

Recorded:

ed: Book 146, Page 119

Description:

The Northeast Quarter (NE 1/4) of Section 09, Township 16 South, Range 28 West,

Lane County, Kansas

WI: NRI: 0.44 0.3784

Diana James-Cairns and Rose Meals, Co-Trustees of the James' Children's Trust

Lessor: Lessee:

Scout Exploration Corp. December 16, 2011

Date: Recorded:

Book 137, Page 189

Description:

The Northwest Quarter (NW 1/4) of Section 09, Township 16 South, Range 28 West,

Lane County, Kansas

WI:

0.44

NRI:

0.3784

Johnson Lease (Sec. 5)

Lessor:

Stephen H. Wolf, Trustee of the Lawrence W. Miller Revocable Trust, dated March

25, 2003

Lessee:

Scout Royalty Corp.

Date:

October 25, 2004

Recorded:

Book 109, Page 06

Description:

The Northeast Quarter (NE 1/4) and the North Half of the Southeast Quarter (N 1/2

SE 1/4) of Section 5, Township 17 South, Range 27 West, Lane County, Kansas

WI:

0.245

NRI:

0.2107

Lessor:

Norman and LaRené Johnson Enterprises, LLC by LaRené Johnson

Lessee: Date:

Scout Royalty Corp. October 25, 2004

Recorded:

Book 109, Page 07

Description:

The East Half (E ½) of Section 5, Township 17 South, Range 27 West, Lane

County, Kansas

WI: NRI: 0.245 0.2107

Lessor:

Leslie Zuercher-Sublett Scout Royalty Corp.

Lessee: Date:

October 25, 2004 Book 109, Page 53

Recorded: Description:

The Northeast Quarter (NE 1/4) and the North Half of the Southeast Quarter (N 1/2

SE 1/4) of Section 5, Township 17 South, Range 27 West, Lane County, Kansas

WI: NRI:

0.2107

Lessor:

Norman and LaRené Johnson Enterprises, LLC by Norman Johnson

Lessee: Date:

Scout Royalty Corp. October 25, 2004 Book 109, Page 55

Recorded: Description:

The East Half (E ½) of Section 5, Township 17 South, Range 27 West, Lane

County, Kansas

WI: NRI:

0.245 0.2107

Joyce Ann Unit 1-13 (includes Voshell #2 SWD with a WI of 0.3157197)

Lessor:

Dennis E. Thomas, Executor of the Estate of Jack P. Thomas, Deceased

Lessee: Date:

Scout Exploration Corp. February 17, 2010

Recorded:

Book 130, Page 120

Description:

The Southeast Quarter (SE 1/4) of Section 12, Township 19 South, Range 29 West,

Lane County, Kansas

WI: NRI: 0.3171591 0.2727568

Lessor:

Leroy J. York and Joyce A. York, his wife

Lessee:

Scout Exploration Corp.

Date:

October 21, 2008, but effective June 28, 2009

Recorded:

Book 124, Page 133

Description:

The Northeast Quarter (NE 1/4) of Section 13, Township 19 South, Range 29 West,

Lane County, Kansas

WI: NRI: 0.3171591 0.2727568

Louise 1-20 Unit

Lessor:

Vance Ehmke and Louise Ehmke, Trustees of the

Louise E. Ehmke Trust No. 1 dated September 1, 1991

Lessee: Date:

Scout Exploration Corp. December 11, 2012

Recorded:

Book 144, Page 81

Description:

The Northwest Quarter (NW 1/4) and the Southwest Quarter (SW 1/4) of Section 20,

Township 18 South, Range 28 West, Lane County, Kansas

WI:

0.43

NRI:

0.3563625

Lessor:

Cole Ehmke and Tanner Ehmke, Trustees of the

Ehmke Mile Deep Irrevocable Trust under agreement dated February 9, 2009

Lessee:

Scout Exploration Corp.

Date:

December 11, 2012

Recorded:

Book 144, Page 125

Description:

The Northwest Quarter (NW 1/4) and the Southwest Quarter (SW 1/4) of Section 20,

Township 18 South, Range 28 West, Lane County, Kansas

WI:

0.43

NRI:

0.3563625

Marit Lease

Lessor:

Vance Ehmke Trust No. 1, Vance Ehmke and Louise E. Ehmke, Trustees

Lessee:

Scout Exploration Corp.

Date:

March 31, 2006

Recorded:

Book 113, Page 134

Description:

The Northwest Quarter (NW 1/4) of Section 24, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.38

NRI:

0.3268

Mark 1-6 (SI)

Lessor:

Eugene Shapland and Saundra Sue Shapland, as Trustees of both the

Living Trust of Eugene Shapland dated August 5, 1988, and the

Living Trust of Saundra Sue Shapland dated August 5, 1988

Lessee:

Scout Exploration Corp.

Date:

October 20, 2009 Book 129, Page 108

Recorded: Description:

The Northwest Quarter (NW 1/4) of Section 06, Township 19 South, Range 27 West,

Lane County, Kansas

WI:

0.435

NRI:

0.3741

Marlin Unit 1-23

Meeker #1 OWWO Unit

Lessor:

Ronda G. Bolding, Trustee of the Meeker Revocable Trust No. 1 (aka Leo L.

Meeker Revocable Trust No. 1)

Lessee:

Scout Exploration Corp.

Date: Recorded: November 19, 2013 Book 147, Page 136

Description:

A square tract of land situated in the Northeast Quarter (NE/4) of Section 23, Township 18 South, Range 29 West, described as follows: Commencing in the Northwest Corner (NW/C) of the Northeast Quarter (NE/4) of Section 23

Northwest Corner (NW/C) of the Northeast Quarter (NE/4) of Section 23, Township 18 South, Range 29 West, in Lane County, Kansas, on the South line of Kansas Highway 96 Right-of-way, thence South 466.68 feet, thence East 466.68 feet, thence North 466.68 feet, thence West 466.68 feet to the place of beginning; in the Northeast Quarter (NE/4) in Section Twenty-three (23), Township Eighteen

(18) South, Range Twenty-nine (29) West, Lane County, Kansas

WI:

0.4

NRI:

0.344

Lessor:

Victor A. Torson (a/k/a Victor Torson) and Crysta S. Torson (a/k/a Crysta

Torson; f/k/a Crysta Fancher), husband and wife

Lessee:

Scout Exploration Corp.

Date:

December 12, 2013 but effective March 27, 2014

Recorded:

Book 147, Page 204

Description:

The Northeast Quarter (NE 1/4) of Section 23, Township 18 South, Range 29 West,

Lane County, Kansas,

EXCEPT:

A. A square tract of land described as follows: Commencing at the Northwest Corner of the NE/4 of said Section 23, Township 18 South, Range 29 West, on the South line of Kansas Highway No. 96 Right-of-Way; thence South 466.68 feet; thence East 466.68 feet; thence North 466.68 feet; thence West 466.68 feet to the place of beginning; and

B. A tract of land described as follows: Beginning at a point 700 feet East of the Northwest Corner of the NE/4 of said Section 23, Township 18 South, Range 29 West, and on the South line of the Right-of-Way of the Kansas State Highway No. 96; thence South 350 feet; thence East 600 feet; thence North 350 feet; thence West

600 feet along the South boundary line of said Right-of-Way of Kansas State Highway No. 96, to the point of beginning; and

C. A tract of land described as follows: Beginning at a point 466.68 feet East of the Northwest Corner of the NE/4 of said Section 23, Township 18 South, Range 29 West, and the South line of the Right-of-Way of the Kansas State Highway No. 96; thence South 350 feet; thence East 50 feet; thence North 350 feet; thence West 50 feet along the South boundary line of said Right-of-Way of the Kansas State Highway No. 96 to the point of beginning; and

D. A tract of land described as follows: Beginning at a point 516.68 feet East of the Northwest Corner of the NE/4 of said Section 23, Township 18 South, Range 29 West, and on the South line of the Right-of-Way of the Kansas State Highway No. 96; thence South 350 feet; thence East 183.32 feet; thence North 350 feet; thence West 183.32 feet along the South boundary line of said Right-of-Way of the Kansas State Highway No. 96, to the point of beginning, all in The Northeast Ouarter (NE/4) in Section Twenty-three (23), Township Eighteen (18) South, Range

Twenty-nine (29) West, Lane County, Kansas

WI:

0.4

NRI:

0.344

Lessor:

William B. Marlin Trust dated December 28, 2005, by Central National Bank and

Trust Co. of Enid, Oklahoma, as Successor Trustee

Lessee:

Scout Exploration Corp.

Date:

January 10, 2014 but effective June 29, 2014

Recorded:

Book 147, Page 236

Description:

The Northwest Quarter (NW 1/4) of Section 23, Township 18 South, Range 29 West,

Lane County, Kansas

WI:

0.4

NRI:

0.344

Melissa 1-29

Lessor:

Sherrie L. Ehmke, a single person

Lessee: Date:

Scout Exploration Corp.

Recorded:

February 9, 2007 but effective July 6, 2007

Book 119, Page 048

Description:

The North Half of the Southwest Quarter (N ½ SW ¼) of Section 29, Township 18

South, Range 29 West, Lane County, Kansas

WI:

0.4 0.344

NRI:

Lessor:

Melissa M. Wilson, a single person Scout Exploration Corp.

Lessee: Date:

February 9, 2007 but effective July 6, 2007

Recorded:

Book 119, Page 041

Description:

The North Half of the Southwest Quarter (N ½ SW ¼) of Section 29, Township 18

South, Range 29 West, Lane County, Kansas

WI:

0.4

NRI:

0.344

Mumma-Ehmke WFU [Mumma #1 OWWO WIW; Sisters 1-23; TDM 1-15]

Lessor:

Carla S. Mumma, a single individual

Lessee:

Scout Exploration Corp.

Date:

March 17, 2017, but effective June 6, 2017

Recorded:

Book 157, Page 166

Description:

The Northwest Quarter (NW 1/4) of Section 23, Township 19 South, Range 29

West, Lane County, Kansas

WI:

0.44

NRI:

0.3784

Lessor:

Judith A. Gugler, a single individual

Lessee:

Scout Exploration Corp.

Date:

March 17, 2017, but effective June 6, 2017

Recorded:

Book 157, Page 238

The Northwest Quarter (NW 1/4) of Section 23, Township 19 South, Range 29 Description:

West, Lane County, Kansas

WI:

0.44

NRI:

0.3784

Lessor:

Vance Ehmke and Louise E. Ehmke, Trustees of the Louise E. Ehmke Trust No. 1

dated September 1, 1991

Lessee:

Scout Exploration Corp.

Date:

February 14, 2017

Recorded:

Book 157, Page 129

Description:

The Southeast Quarter (SE 1/4) [except wellbore located in SE/4 of NE/4 of said SE/4, located 1631' North and 330' West from the SE corner of said SE/4] in

Section 15, Township 19 South, Range 29 West, Lane County, Kansas

WI:

0.44

NRI:

0.3784

Lessor:

Queena Mumma, Trustee of both the Queena Mumma Revocable Trust dated

February 28, 2006, and the Carl Mumma Credit Shelter Trust

Lessee:

Scout Exploration Corp.

Date:

March 17, 2017, but effective June 6, 2017

Recorded:

Book 157, Page 167

Description:

The Northeast Quarter (NE 1/4) of Section 22, Township 19 South, Range 29 West,

Lane County, Kansas

WI:

0.44

NRI:

0.3784

Lessor:

(Ratification) Cole Ehmke and Tanner Ehmke, Trustees of the Ehmke Mile Deep

Irrevocable Trust under Agreement dated February 9, 2009

Lessee:

Scout Exploration Corp.

Date:

February 14, 2017 Book 158, Page 49

Recorded: Description:

The Southeast Quarter (SE 1/4) [except wellbore located in SE/4 of NE/4 of said

SE/4, located 1631' North and 330' West from the SE corner of said SE/4] in

Section 15, Township 19 South, Range 29 West, Lane County, Kansas

WI:

0.44

NRI:

0.3784

Lessor: Lessee:

Carla S. Mumma, a single individual

Date:

Scout Exploration Corp.

June 6, 2014

Recorded:

Book 149, Page 60

Description:

The Northwest Quarter (NW 1/4) of Section 23, Township 19 South, Range 29

West, Lane County, Kansas

WI:

0.44

NRI:

0.3784

Lessor:

Judith A. Gugler, a single individual

Lessee:

Scout Exploration Corp.

Date:

June 6, 2014

Recorded:

Book 149, Page 134

Description:

The Northwest Quarter (NW 1/4) of Section 23, Township 19 South, Range 29

West, Lane County, Kansas

WI:

0.44

NRI:

0.3784

Murphy 1-33

Lessors:

Gladys E. Murphy, a single woman

Lessee:

Scout Exploration Corp.

Date:

May 15, 2006, but effective January 29, 2007

Recorded:

Book 115, Page 133

Description:

The Southwest Quarter (SW 1/4) of Section 33, Township 18 South, Range 29

West, Lane County, Kansas

WI:

0.39

NRI:

0.34125

Paris-Hineman 1-7

Lessor:

Herbert T. Hineman Trust under Agreement dated April 4, 1994; and Elizabeth C.

Hineman Trust under Agreement dated April 4, 1994; by Elizabeth C. Hineman,

Trustee

Lessee:

Scout Exploration Corp.

Date:

July 2, 2013

Recorded:

Book 146, Page 62

Description:

The Southwest Quarter (SW 1/4) In Section 06, Township 19 South, Range 28

West, Lane County, Kansas

WI:

0.3

NRI:

0.258

Paris Lease (Sec. 7)

Lessor:

Robert A. Paris, Trustee of the Robert A. Paris Trust dated 03-16-1992 and

Delores L. Paris, Trustee of the Delores L. Paris Trust dated 03-16-1992

Lessee:

Scout Exploration Corp.

Date:

November 19, 2008, but effective December 15, 2008

Recorded:

Book 124, Page 262

Description:

The Northwest Quarter (NW 1/4) In Section 07, Township 19 South, Range 28 West,

Lane County, Kansas

WI:

0.3

NRI:

0.258

Paris Lease (Sec. 11)

Lessor:

Robert A. Paris, Trustee of the Robert A. Paris Trust dated March 16, 1992, and

Delores L. Paris, Trustee of the Delores L. Paris Trust dated March 16, 1992

Lessee:

Scout Exploration Corp.

Date: Recorded: January 25, 2017 Book 157, Page 91

Description:

The Northeast Quarter (NE 1/4) of Section 11, Township 19 South, Range 29 West,

Lane County, Kansas

Amended:

May 5, 2017

Recorded:

Book 158, Page 3

WI: NRI: 0.39 0.3354

Lessor:

Robert A. Paris, Trustee of the Robert A. Paris Trust dated 3-16-1992, and

Delores L. Paris, Trustee of the Delores L. Paris Trust dated 3-16-1992

Lessee:

Scout Exploration Corp.

Date:

January 18, 2008, but effective February 18, 2008

Recorded:

Book 121, Page 197

Description:

The Southeast Quarter (SE 1/4) of Section 11, Township 19 South, Range 29 West,

Lane County, Kansas May 5, 2017

Amended: Recorded:

WI:

Book 158, Page 3

0.39

NRI:

0.3354

Paris Trust 1-14

Lessor:

Robert A. Paris, Trustee of The Robert A. Paris Trust dated March 16, 1992; and

Delores L. Paris, Trustee of The Delores L. Paris Trust dated March 16, 1992

Lessee:

Scout Exploration Corp.

Date:

October 30, 2013 and effective November 19, 2013

Recorded:

Book 147, Page 106

Description:

The Southeast Quarter (SE 1/4) in Section 14, Township 19 South, Range 29 West,

WI:

Lane County, Kansas 0.355

NRI:

0.3053

Patricia Wood 1-9

Lessor:

Patricia J. Wood, Trustee, or her successors in trust, of the David L. Wood and

Patricia J. Wood Revocable Living Trust

Lessee:

Scout Exploration Corp.

Date:

June 13, 2008, but effective November 11, 2008

Recorded:

Book 123, Page 241

Description:

The Southwest Quarter (SW 1/4) of Section 09, Township 18 South, Range 29 West,

Lane County, Kansas

WI:

0.4

NRI:

0.344

Phyllis "B" 1-4

Lessor:

Nancy J. Mabry (f/k/a Nancy J. McWhirter; f/k/a Nancy Jeanne McWhirter), a

single individual

Lessee:

Scout Exploration Corp.

Date: Recorded:

April 30, 2013 Book 145, Page 76

Description:

A tract of land described as follows: From the Southeast Corner of the Northeast

Quarter (NE/4) of Section 4-19S-29W, North along the section line a distance of two hundred fifty feet (250') for a point of beginning; thence west at right angles a distance of six hundred thirty-six (636') feet; thence north parallel to the section line a distance of two hundred fifty feet (250'); thence east six hundred thirty-six feet (636') to the section line; thence south along the section line two hundred fifty feet (250') to the point of beginning in Section Four (4), Township Nineteen (19)

South, Range Twenty-nine (29) West, Lane County, Kansas

WI:

0.4115909

NRI:

0.3618156

Lessor:

William D. McWhirter (a/k/a William David McWhirter) and Suzann M.

McWhirter, his wife

Lessee:

Scout Exploration Corp.

Date:

May 16, 2013 and effective July 9, 2013

Recorded:

Book 145 Page 151

Description:

A tract of land described as follows: Beginning at the Southeast Corner of the Northeast Quarter (NE/4) of Section 4-19S-29W, thence north along the section line a distance of two hundred fifty feet (250'); thence west at right angles a distance of six hundred thirty-six feet (636'); thence south parallel to the section line a distance of two hundred fifty feet (250'); thence east a distance of six hundred thirty-six feet (636') to the place of beginning in Section Four (4), Township

Nineteen (19) South, Range Twenty-nine (29) West, Lane County, Kansas

WI:

0.4115909

NRI:

0.3618156

Lessor:

William D. McWhirter and Suzann M. McWhirter, his wife

Lessee:

Scout Exploration Corp.

Date:

June 23, 2011 but effective October 16, 2011

Recorded:

Book 134, Page 199

Description:

The Southeast Quarter (SE 1/4) of Section 04, Township 19 South, Range 29 West,

in Lane County, Kansas

WI: NRI: 0.4115909 0.3618156

Phyllis E. McWhirter, a single female

Lessor: Lessee:

Scout Exploration Corp.

Date:

May 17, 2006, but effective October 16, 2006

Recorded:

Book 115, Page 127

Description:

The Northeast Quarter (NE 1/4) less a tract described as follows: Beginning at the

Southeast (SE) corner of the Northeast Quarter (NE ½), thence North along the section line 500 feet, thence West at right angles 636 feet, thence South a distance of 500 feet, thence East a distance of 636 feet to the place of beginning in Section Four (4), Township Nineteen (19) South, Range Twenty-nine (29) West, Lane

County, Kansas

WI:

0.4115909

NRI:

0.3618156

Ray Waterflood Unit (Ray 1-8); (Yost 9-1 WIW)

Lessor:

Roger Alan Yost and Teresa M. Yost, husband and wife

Lessee:

Scout Exploration Corp.

Date:

March 13, 2014 and effective March 30, 2014

Recorded:

Book 148, Page 157

Description:

The Southeast Quarter (SE 1/4) in Section 8, Township 18 South, Range 28 West,

Lane County Kansas

WI:

0.325

NRI:

0.2795

Lessor:

Jerald A. Riemann and Joann R. Riemann, as Trustees of the Jerald A. Riemann

Trust No. 1 dated April 1, 2002

Lessee: Date:

Scout Exploration Corp.

Recorded:

November 22, 2016 Book 157, Page 34

Description:

The South Half of the Northwest Quarter (S ½ NW ¼) and the Southwest Quarter

(SW 1/4) of Section 9, Township 18 South, Range 28 West, Lane County, Kansas

WI:

0.325

NRI:

0.2795

Lessor:

Randall Trost and Cinda Trost, husband and wife

Lessee: Date:

Scout Exploration Corp. November 22, 2016

Recorded:

Book 157, Page 38

Description:

The South Half of the Northwest Quarter (S ½ NW ¼) and the Southwest Quarter

(SW 1/4) of Section 9, Township 18 South, Range 28 West, Lane County, Kansas

WI:

0.325 0.2795

NRI:

Scot Trost and Nicki Trost, husband and wife

Lessor: Lessee:

Scout Exploration Corp.

Date:

November 22, 2016

Recorded:

Book 157, Page 37

Description:

The South Half of the Northwest Quarter (S ½ NW ¼) and the Southwest Quarter (SW ½) of Section 9. Township 18 South Pages 28 West Lang County Kennes

(SW 1/4) of Section 9, Township 18 South, Range 28 West, Lane County, Kansas

WI: NRI: 0.325 0.2795

Lessor:

T Bar J Land Investments LLC, a Kansas limited liability company

Lessee: Date:

Scout Exploration Corp. November 22, 2016

Recorded:

Book 157, Page 33

Description:

The South Half of the Northwest Quarter (S ½ NW ¼) and the Southwest Quarter

(SW 1/4) of Section 9, Township 18 South, Range 28 West, Lane County, Kansas

WI:

0.325

NRI:

0.2795

Lessor: Lessee:

Rivendell Royalty Corp. Scout Exploration Corp.

Date:

November 22, 2016

Recorded:

Book 157, Page 39

Description:

The South Half of the Northwest Quarter (S ½ NW ¼) and the Southwest Quarter

(SW 1/4) of Section 9, Township 18 South, Range 28 West, Lane County, Kansas

WI:

0.325

NRI:

0.2795

Lessor:

Omega, Inc., by and through its duly authorized President, Thomas Larson

Lessee:

Scout Exploration Corp.

Date:

November 22, 2016

Recorded:

Book 157, Page 50

Description:

The South Half of the Northwest Quarter (S ½ NW ¼) and the Southwest Quarter

(SW 1/4) of Section 9, Township 18 South, Range 28 West, Lane County, Kansas

WI:

0.325

NRI:

0.2795

RH "A" Lease (includes Hineman #1 WIW)

Lessor:

Estate of Richard E. Hineman, Deceased

by Teresa Hineman Koehler, Executor CTA

Lessee:

Scout Exploration Corp.

Date:

May 10, 2013

Recorded:

Book 145, Page 145

Description:

The Northeast Quarter (NE 1/4) of Section 33, Township 18 South, Range 28 West,

Lane County, Kansas

WI:

0.39386363

NRI:

0.3387227

Lessor:

Teresa Diane Koehler and Paul F. Koehler, her husband

Lessee:

Scout Exploration Corp.

Date:

May 10, 2013

Recorded:

Book 145, Page 144

Description:

The Northeast Quarter (NE 1/4) of Section 33, Township 18 South, Range 28 West,

Lane County, Kansas

WI:

0.39386363 0.3387227

NRI:

Hineman Farms L.P., a Kansas limited partnership

Lessor: Lessee:

Scout Exploration Corp.

Date:

September 26, 2013

Recorded:

Book 147, Page 58

Description:

The Southeast Quarter (SE 1/4) of Section 28, Township 18 South, Range 28 West,

Lane County, Kansas

WI:

0.39386363

NRI:

0.3387227

Riemann-Suppes 1-11

Lessor:

Ronald J. Suppes and Shirley K. Suppes, husband and wife

Lessee: Date:

Scout Exploration Corp.

Recorded:

December 30, 2010 but effective January 8, 2011

Recorded.

Book 133, Page 96

Description:

The East Half of the Northeast Quarter (E ½ NE ¼) of Section 10, Township 19

South, Range 29 West, Lane County, Kansas

WI:

0.37163636

NRI:

0.3196073

Riley Unit 1-10 (includes Riley SWD #1)

Lessor:

Gerald E. Riley and Donna D. Riley, husband and wife

Lessee:

Scout Exploration Corp.

Date:

June 13, 2008

Recorded:

Book 123, Page 40

Description:

The Southeast Quarter (SE 1/4) of Section 10, Township 18 South, Range 29 West,

Lane County, Kansas

WI:

0.4

NRI:

0.344

Lessor:

Alan Eugene James and Marilyn Louise James, husband and wife; and

John David James and Vickie Louise James, husband and wife

Scout Exploration Corp.

Lessee: Date:

July 27, 2009

Recorded:

Book 128, Page 129

Description:

A tract of land located in the Northeast Quarter (NE/4) of Section Ten (10),

Township Eighteen (18) South, Range Twenty-nine (29) West of the 6th P.M., more

fully described as follows: Commencing at the Northwest corner of the Northeast Quarter (NE/4) of Section Ten (10), in Township Eighteen (18) South, Range Twenty-nine (29) West of the 6th P.M., as established in a permanent survey by C.G. Waterson, thence South 89°01'47" East along the North line of said Northeast Quarter (NE/4) for 391 feet to the point of beginning; thence continuing South 89°01'47" East along the North line of said Northeast Quarter (NE/4) for 2,100' feet; thence South 0°02'16" East along the centerline of the existing County road for 2,616.48 feet; thence North 89°24'15" West for 1,044.15 feet; thence North 0°06'33" West for 949.80 feet; thence North 86°44'36" West for 246.12 feet, thence North 7°13'58" West for 747.98 feet; thence North 57°31'39" West for 827.63 feet; thence North 2°01'39" West for 491.53 feet to the point of beginning, containing 86.48 acres, more or less, including that part used for public road purposes; ALSO DESCRIBED AS: All that part of the Northeast Quarter (NE/4) of Section Ten (10), in Township Eighteen (18) South, Range Twenty-nine (29) West of the 6th P.M., under cultivation as now divided by fences, In Section Ten (10), Township Eighteen (18) South, Range Twenty-nine (29) West, Lane County, Kansas

WI:

0.4

NRI:

0.344

Rita Lease

Lessor:

Gerald E. Fay and Ann E. Hineman-Fay, husband and wife

Lessee:

Scout Exploration Corp.

Date:

October 5, 2006

Recorded:

Book 121, Page 58

Description:

The Northeast Quarter (NE 1/4) of Section 08, Township 19 South, Range 29

West, Lane County, Kansas

WI:

0.44

NRI:

0.3784

Roger 1-20 (includes Hineman P #1 SWD)

Lessor:

Roger R. Hineman, a single individual

Lessee:

Scout Exploration Corp.

Date: Recorded:

September 24, 2010 Book 132, Page 175

Description:

The Southwest Quarter (SW 1/4) of Section 20, Township 19 South, Range 28 West,

Lane County, Kansas

WI:

0.44

NRI:

0.3784

Rosenau 15-30 OWWO

Lessor:

Neil D. McWhirter and Sara L. McWhirter, Trustees of the Neil D. McWhirter

Revocable Trust dated August 1, 2011

Lessee:

Scout Exploration Corp.

Date:

June 13, 2017, but effective August 12, 2017

Recorded:

Book 158, Page 23

Description:

The Southwest Quarter (SW 1/4) and the Southeast Quarter (SE 1/4) in Section 30,

Township 18 South, Range 27 West, Lane County, Kansas

WI: NRI:

0.45 0.387

William Knight (a/k/a William Eugene Knight, Jr) and Debra Knight, his wife

Lessor: Lessee:

Scout Exploration Corp.

Date: Recorded: June 13, 2017, but effective August 12, 2017

Book 158, Page 21

Description:

The Southwest Quarter (SW 1/4) and the Southeast Quarter (SE 1/4) in Section 30,

Township 18 South, Range 27 West, Lane County, Kansas

WI:

0.45

NRI:

0.387

Lessor:

Tamara Maynard (a/k/a Tamra Jayne Maynard) and Richard Maynard, her husband

Lessee:

Scout Exploration Corp.

Date:

June 13, 2017, but effective August 12, 2017

Recorded:

Book 158, Page 19

Description:

The Southwest Quarter (SW 1/4) and the Southeast Quarter (SE 1/4) in Section 30,

Township 18 South, Range 27 West, Lane County, Kansas

WI:

0.45

NRI:

0.387

Schoepf Lease

Lessor:

David M. Schoepf and Lisa Schoepf, his wife

Lessee:

Scout Exploration Corp.

Date:

June 14, 2011

Recorded:

Book 134, Page 270

Description:

The Northwest Quarter (NW 1/4) in Section 15, Township 18 South, Range 30 West,

Lane County Kansas

WI:

0.435

NRI:

0.3741

Lessor:

Douglas K. Schoepf, a single individual

Lessee:

Scout Exploration Corp.

Date:

June 14, 2011

Recorded:

Book 134, Page 200

Description:

The Northwest Quarter (NW 1/4) in Section 15, Township 18 South, Range 30 West,

Lane County Kansas

WI:

0.435

NRI:

0.3741

Lessor:

Barbara J. Soza and Robert Soza, her husband

Lessee:

Scout Exploration Corp.

Date:

June 14, 2011

Recorded:

Book 134, Page 230

Description:

The Northwest Quarter (NW 1/4) in Section 15, Township 18 South, Range 30 West,

Lane County Kansas

WI:

0.435

NRI:

0.3741

Lessor:

Alice K. Gonzales and Ernest Gonzales, her husband

Lessee: Date:

Scout Exploration Corp. June 14, 2011

Recorded:

Book 134, Page 201

Description:

The Northwest Quarter (NW 1/4) in Section 15, Township 18 South, Range 30 West,

Lane County Kansas

WI:

0.435

NRI:

0.3741

Shapland "A" 1-27

Lessor:

Eugene Shapland and Saundra Sue Shapland, Trustees of both the Living Trust of

Eugene Shapland dated August 5, 1988, and the Living Trust of Saundra Sue

Shapland dated August 5, 1988

Lessee:

Scout Exploration Corp.

Date:

April 17, 2012, but effective May 19, 2012

Recorded:

Book 138, Page 187

Description:

The Northwest Quarter (NW 1/4) of Section 27, Township 18 South, Range 28 West,

Lane County, Kansas

WI:

0.3

NRI:

0.258

Sinclair 1-11

Lessor:

John C. Sinclair and Alice R. Sinclair, husband and wife

Lessee:

Scout Exploration Corp.

Date:

August 23, 2010 but effective October 9, 2010

Recorded:

Book 132, Page 124

Description:

The Southwest Quarter (SW 1/4) of Section 11, Township 18 South, Range 30 West,

Lane County, Kansas

WI:

0.42

NRI:

0.3612

Snider 1-9 (includes Snider #1 SWD)

Lessor:

Grace Elaine Snider Trust #1 dated February 23, 1995

Grace Elaine Snider, Trustee

Lessee:

Scout Exploration Corp.

Date:

December 3, 2009

Recorded:

Book 129, Page 290

Description:

The Southwest Quarter (SW 1/4) in Section 09, Township 17 South, Range 29 West,

Lane County, Kansas

WI:

0.44

NRI:

0.3784

Lessor:

Grace Elaine Snider Trust #1 dated February 23, 1995

Grace Elaine Snider, Trustee

Lessee:

Scout Exploration Corp.

Date:

December 3, 2009 Book 129, Page 291

Recorded: Description:

The Southeast Quarter (SE $\frac{1}{4}$) less a 210' x 90' tract reserved to John A. Snider for

his life, described as follows: commencing at the Southeast corner of said Section Nine (9), thence North 145 feet to the point of beginning; thence West 210 feet; thence North 90 feet; thence East 210 feet; thence South 90 feet to the point of beginning; in Section 09, Township 17 South, Range 29 West, Lane County,

Kansas

WI:

0.44

NRI:

0.3784

Spatz Lease

Lessor:

L. DeWayne Spatz, Trustee of the L. DeWayne Spatz Trust

Lessee: Date:

Scout Royalty Corp. November 15, 2004

Recorded:

Book 109, Page 58

Description:

The Northwest Quarter (NW 1/4) of Section 11, Township 19 South, Range 29

West, Lane County, Kansas

WI.

0.4

NRI:

0.344

Splitter "B" #2

Lessor:

Earl J. Splitter, Trustee of the Earl J. Splitter Revocable Trust

Lessee:

Scout Exploration Corp.

Date: Recorded: March 8, 2006

Book 113, Page 251

Description:

The Southeast Quarter (SE 1/4) of Section 35, Township 18 South, Range 29 West,

Lane County, Kansas 0.4

WI:

NRI:

0.344

SS 1-10

Lessor:

Ronald J. Suppes and Shirley K. Suppes, husband and wife

Lessee:

Scout Exploration Corp.

Date:

December 30, 2010 but effective January 8, 2011

Recorded:

Book 133, Page 95

Description:

The South Half of the Southeast Quarter (S ½ SE ¼) of Section 10, Township 19

South, Range 29 West, Lane County, Kansas

WI:

0.31

NRI:

0.2666

Thomas-Paris 1-12

Lessor:

Dennis E. Thomas, Executor of the Estate of Jack P. Thomas, deceased

Lessee:

Scout Exploration Corp.

Date:

February 17, 2010

Recorded:

Book 130, Page 120

Description:

The Southeast Quarter (SE 1/4) of Section 12, Township 19 South, Range 29 West,

Lane County, Kansas

WI:

0.3

NRI:

0.258

Lessor:

Robert A. Paris, Trustee of The Robert A. Paris Trust dated March 16, 1992; and

Delores L. Paris, Trustee of The Delores L. Paris Trust dated March 16, 1992

Lessee:

Scout Exploration Corp.

Date:

November 25, 2009, but effective February 18, 2010

Recorded:

Book 129, Page 241

Description:

The Northeast Quarter (NE 1/4) of Section 12, Township 19 South, Range 29 West.

Lane County, Kansas

WI:

0.3

NRI:

0.258

Lessor:

Robert A. Paris, Trustee of The Robert A. Paris Trust dated March 16, 1992; and

Delores L. Paris, Trustee of The Delores L. Paris Trust dated March 16, 1992

Lessee:

Scout Exploration Corp.

Date:

November 25, 2009, but effective February 18, 2010

Recorded:

Book 129, Page 242

Description:

The Northwest Quarter (NW 1/4) of Section 12, Township 19 South, Range 29 West,

Lane County, Kansas

WI:

0.3

NRI:

0.258

Lessor:

Robert A. Paris, Trustee of The Robert A. Paris Trust dated March 16, 1992; and

Delores L. Paris, Trustee of The Delores L. Paris Trust dated March 16, 1992

Lessee:

Scout Exploration Corp.

Date:

November 25, 2009, but effective February 18, 2010

Recorded:

Book 129, Page 243

Description:

The Southwest Quarter (SW 1/4) of Section 12, Township 19 South, Range 29 West,

Lane County, Kansas

WI:

0.3

NRI:

0.258

Trost Lease

Lessor:

Scot Trost and Nicki Trost, husband and wife; and Randall Trost and Cinda Trost,

husband and wife

Lessee:

Scout Exploration Corp.

Date:

June 7, 2012

Recorded:

Book 140, Page 99

Description:

The Southeast Quarter (SE 1/4) of Section 31, Township 18 South, Range 27 West,

Lane County, Kansas

WI:

0.435

NRI:

0.3741

Voshell Lease (#1 & #3)

Lessor:

Leroy J. York and Joyce A. York, his wife

Lessee:

Scout Exploration Corp.

Date:

October 21, 2008, but effective June 28, 2009

Recorded:

Book 124, Page 133

Description:

The Southwest Quarter (SW 1/4) of Section 13, Township 19 South, Range 29 West,

Lane County, Kansas

WI:

0.33

NRI:

0.2838

LANE COUNTY SW DIGHTON WFU

Danis 1-21

Lessor:

Danis McWhirter, a single woman

Lessee:

Scout Exploration Corp.

Date:

May 23, 2008, but effective November 13, 2008

Recorded:

Book 123, Page 51

Description:

Township 18 South, Range 29 West, Section 21: SE/4, Lane County, Kansas

Extension:

July 1,2010

Recorded:

Book 132, Page 13

WI:

0.39363353

NRI:

0.3416843

Lessor:

Gail Stanley a/k/a J. Gail Stanley, a single woman

Lessee:

Scout Exploration Corp.

Date:

May 23, 2008, but effective November 13, 2008

Recorded: Description:

Book 123, Page 49

Extension:

Township 18 South, Range 29 West, Section 21: SE/4, Lane County, Kansas

Recorded:

July 1, 2010

WI:

Book 132, Page 12

NRI:

0.39363353 0.3416843

Ehmke Lessor:

Sherrie L. Ehmke, a single person

Lessee:

Scout Exploration Corp.

Date:

February 9, 2007, but effective July 6, 2007

Recorded:

Book 119, Page 46

Description:

Township 18 South, Range 29 West, Section 29: NE/4, Lane County, Kansas

WI:

0.39363353 0.3416843

NRI:

Lessor: Lessee: Melissa M. Wilson, a single person Scout Exploration Corp.

Date:

February 9, 2007, but effective July 6, 2007

Recorded:

Book 119, Page 44

Description:

Township 18 South, Range 29 West, Section 29: NE/4, Lane County, Kansas

WI: NRI: 0.39363353 0.3416843

Gail 1-21

Gail Stanley a/k/a J. Gail Stanley, a single woman

Lessor: Lessee:

Scout Exploration Corp.

Date:

May 23, 2008, but effective November 13, 2008 Book 123, Page 48

Recorded: Description:

Township 18 South, Range 29 West, Section 21: E/2 NE/4, Lane County, Kansas

Extension:

July 1, 2010

Recorded:

Book 132, Page 12

WI: NRI: 0.39363353 0.3416843

Danis McWhirter, a single woman

Lessor: Lessee:

Scout Exploration Corp.

Date:

May 23, 2008, but effective November 13, 2008

Recorded:

Book 123, Page 50

Description:

Township 18 South, Range 29 West, Section 21: E/2 NE/4, Lane County, Kansas

Extension:

July 1, 2010

Recorded:

Book 132, Page 13

WI:

0.39363353

NRI:

0.3416843

Keenan Stucky 1-34

Lessor:

Ray Dean Stucky, a married man dealing in his sole and separate property

Lessee:

Scout Energy Corp.

Date:

February 9, 2004

Recorded:

Book 107, Page 187

Description:

Township 18 South, Range 29 West, Section 34: NE/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Lessor:

Glenda K. Keenan, a married woman dealing in her sole and separate property

Lessee:

Scout Energy Corp.

Date: Recorded: March 16,2004 Book 107, Page 168

Description:

Township 18 South, Range 29 West, Section 34: SE/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Lucille Lease

Lessor:

Neil D. McWhirter and Sara McWhirter, his wife

Lessee:

Scout Exploration Corp.

Date:

November 16, 2006, but effective January 29, 2007

Recorded:

Book 117, Page 96

Description:

Township 18 South, Range 29 West, Section 34: NW/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Lessor:

Jerry & Darlene Anderson, husband and wife

Lessee:

Scout Exploration Corp.

Date:

June 13, 2006, but effective January 29,2007

Recorded:

Book 115, Page 131

Description:

Township 18 South, Range 29 West, Section 34: NW/4, Lane County, Kansas

WI: NRI: 0.39363353

0.3416843

McWhirter "A"

Lessor:

Iva Lucille McWhirter, a single individual

Lessee: Date:

Larson Engineering, Inc. March 15, 1999

Recorded:

Book 100, Page 38

Description:

Township 18 South, Range 29 West, Section 34: SW/4, Lane County, Kansas

WI:

0.39363353 0.3416843

NRI:

Elgin McWhirter and Ora Mae McWhirter, husband and wife

Lessor: Lessee:

Larson Engineering, Inc. March 15, 1999

Date: Recorded:

Book 100, Page 37

Description:

Township 18 South, Range 29 West, Section 34: SW/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

McWhirter "B" 1-27

Lessor:

Neil D. McWhirter, a single man

Lessee:

Larson Engineering, Inc.

Date:

January 28, 2004

Recorded:

Book 107, Page 183

Description:

Township 18 South, Range 29 West, Section 27: SW/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

McWhirter "C" 1-33

Lessor:

Neil D. McWhirter and Sara McWhirter, his wife

Lessee:

Scout Exploration Corp.

Date:

November 16, 2006, but effective January 29, 2007

Recorded:

Book 117, Page 95

Description:

Township 18 South, Range 29 West, Section 33: NW/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Lessor:

Jerry & Darlene Anderson, husband and wife

Lessee:

Scout Exploration Corp.

Date:

July 11, 2006, but effective January 29, 2007

Recorded:

Book 115, Page 134

Description:

Township 18 South, Range 29 West, Section 33: NW/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

McWhirter-Stanley #1

Lessor:

Danis McWhirter, a single woman

Lessee: Date:

Thomas Energy, Inc. November 14, 2003

Recorded:

Book 106, Page 266

Description:

Township 18 South, Range 29 West, Section 21: SW/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Lessor:

Gail Stanley a/k/a J. Gail Stanley, a single woman

Lessee: Date:

Thomas Energy, Inc. November 12, 2003

Recorded:

Book 106, Page 275

Description:

Township 18 South, Range 29 West, Section 21: SW/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Neil

Lessor:

Neil D. McWhirter, a single man

Lessee:

Larson Engineering, Inc.

Date:

January 28, 2004 Book 107, Page 185

Recorded: Description:

Township 18 South, Range 29 West, Section 28: NE/4, Lane County, Kansas

WI:

0.39363353 0.3416843

NRI:

Penka 1-20

Lessor:

Fred W. Penka, Trustee of the Fred W. Penka Revocable Trust

Lessee:

Scout Exploration Corp.

Date:

August 26, 2005 Book 111, Page 178

Recorded: Description:

Township 18 South, Range 29 West, Section 20: W/2 SE/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Robbins 1-27

Lessor:

Margaret Robbins, Trustee of the Edward Robbins Irrevocable Trust UTA Dated

September 14, 1998

Lessee: Date:

Larson Engineering, Inc.

March 1, 2004

Recorded:

Book 107, Page 182

Description:

Township 18 South, Range 29 West, Section 27: SE/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Robbins Trust

Lessor:

Margaret Robbins, Trustee of the Edward Robbins Revocable Trust Dated

September 14, 1998

Lessee:

Thomas Energy, Inc.

Date:

April 14, 2006

Recorded:

Book 113, Page 247

Description:

Township 18 South, Range 29 West, Section 26: S/2, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Robbins-Wilson 1-27

Lessor:

Lawrence A. Wilson, Co-Trustee of the M.E. Wilson Trust

Lessee:

Larson Engineering, Inc.

Date:

April 2, 2006

Recorded:

Book 111, Page 263

Description:

Township 18 South, Range 29 West, Section 27: NE/4, Lane County, Kansas

Ratified: Recorded: October 28, 2005

Book 111, Page 265

WI:

0.39363353

NRI:

0.3416843

Sara 2-33

Lessor:

Neil D. McWhirter and Sara McWhirter, his wife

Lessee:

Scout Exploration Corp.

Date:

November 16, 2006, but effective January 29, 2007

Recorded:

Book 117, Page 94

Description:

Township 18 South, Range 29 West, Section 33: NE/4, Lane County, Kansas

Extension:

August 27, 2009

Recorded:

Book 132, Page 17

WI:

0.39363353

NRI:

0.3416843

Schmalzried

Lessor:

Jeffrey D. Schmalzried and Darla R. Schmalzried, husband and wife

Lessee:

Scout Exploration Corp.

Date:

December 12, 2014 Book 150, Page 216

Recorded: Description:

Township 18 South, Range 29 West, Section 20: E/2 SW/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Lessor:

James E. Schmalzried and Kellie Schmalzried, his wife

Lessee:

Scout Exploration Corp.

Date:

December 12, 2014 Book 150, Page 217

Recorded: Description:

Township 18 South, Range 29 West, Section 20: E/2 SW/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Lessor:

Julie A. Bearup and Michael S. Bearup, her husband

Lessee:

Scout Exploration Corp. December 12, 2014

Date: Recorded:

Book 150, Page 215

Description:

Township 18 South, Range 29 West, Section 20: E/2 SW/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Splitter

Lessor:

Gary A. Splitter and Jackie L. Splitter, Trustees of the Splitter Living Trust dated

July 10, 2013

Lessee:

Scout Exploration Corp.

Date:

January 9, 2015

Recorded:

Book 151, Page 19

Description:

Township 18 South, Range 29 West, Section 35: W/2 NW/4, Lane County,

Kansas

WI:

0.39363353

NRI:

0.3416843

Lessor:

Elinor J. Splitter and William D. Gable, wife and husband

Lessee:

Scout Exploration Corp.

Date:

January 9, 2015

Recorded:

Description:

Book 151, Page 31 Township 18 South, Range 29 West, Section 35: W/2 NW/4, Lane County,

WI:

0.39363353

NRI:

0.3416843

Lessor:

Marianne Splitter and Thomas F. Morante, wife and husband

Lessee:

Scout Exploration Corp.

Date:

January 9, 2015

Recorded:

Book 151, Page 76

Description:

Township 18 South, Range 29 West, Section 35: W/2 NW/4, Lane County,

Kansas

WI:

0.39363353

NRI:

0.3416843

Stanley

Lessor:

Gail Stanley, a single woman

Lessee:

Larson Engineering, Inc.

Date:

January 28, 2004

Recorded:

Book 107, Page 189

Description:

Township 18 South, Range 29 West, Section 28: SW/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Lessor:

Danis McWhirter, a single woman

Lessee:

Larson Engineering, Inc.

Date: Recorded: January 28, 2004 Book 107, Page 181

Description:

Township 18 South, Range 29 West, Section 28: SW/4, Lane County, Kansas

WI:

0.39363353 0.3416843

NRI:

Lessor: Lessee:

Thomas Energy, Inc.

Date:

November 12, 2003 Book 106, Page 277

Recorded:

Township 18 South, Range 29 West, Section 28: NW/4, Lane County, Kansas

Gail Stanley a/k/a J. Gail Stanley, a single woman

Description: WI:

0.39363353

NRI:

0.3416843

Lessor:

Danis McWhirter, a single woman Thomas Energy, Inc.

Lessee: Date:

November 14, 2003

Recorded:

Book 106, Page 267

Description:

Township 18 South, Range 29 West, Section 28: NW/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Stanley 3-28

Lessor:

Gail Stanley, a single woman

Lessee:

Larson Engineering, Inc.

Date:

January 28, 2004

Recorded:

Book 107, Page 188

Description:

Township 18 South, Range 29 West, Section 28: SE/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

Lessor:

Danis McWhirter, a single woman

Lessee:

Larson Engineering, Inc.

Date:

January 28, 2004

Recorded: Description: Book 107, Page 180

Township 18 South, Range 29 West, Section 28: SE/4, Lane County, Kansas

WI: NRI: 0.39363353 0.3416843

Stanley-Weber 1-21

Lessor:

Roy J. Weber, Trustee of the Nick M. Weber & Viola D. Weber Trust No. 2

Lessee:

Scout Exploration Corp.

Date: Recorded: September 2, 2005 Book 111, Page 183

Description:

Township 18 South, Range 29 West, Section 20: E/2 SE/4, Lane County, Kansas

WI:

0.39363353

NRI:

0.3416843

<u>Walker</u>

Lessor:

Jay C. Walker, Jr. and H. Elaine Walker, his wife

Lessee: Date:

Thomas Energy, Inc. October 28, 2003

Recorded:

Book 106, Page 177

Description:

Township 18 South, Range 29 West, Section 21: NW/4 & W/2 NE/4, Lane

County, Kansas

WI: NRI:

0.39363353 0.3416843

Wilson 1-27

Lessor:

Lawrence A. Wilson, Co-Trustee of the M.E. Wilson Trust

Lessee:

Larson Engineering, Inc.

Date:

April 2, 2006

Recorded:

Book 111, Page 264

Description:

Township 18 South, Range 29 West, Section 27: NW/4, Lane County, Kansas October 31, 2005

Ratification:

Book 111, Page 266

Recorded: WI:

0.39363353 0.3416843

NRI:

Wilson-McWhirter 1-27

Lessor:

Neil D. McWhirter and Sara McWhirter, his wife

Lessee:

Scout Exploration, Inc.

Date:

October 18, 2006, but effective January 29, 2007

Recorded: Description: Book 117, Page 89 Township 18 South, Range 29 West, Section 22: SW/4, Lane County, Kansas

WI: NRI: 0.39363353 0.3416843