For KCC Use:

Eff	e	ct	iv	е	Date

District	±	
DISTINCT	TT .	

SGA?	Yes	No

Form

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

March 2010 Form must be Typed Form must be Signed All blanks must be Filled

Form C-1

1055139

NOTICE OF INTENT TO DRILL

Must be approved by KCC five (5) days prior to commencing well

KSONA-1,	Certification of	^r Compliance with	the Kansas	Surface Ow	ner Notification	Act, MUS1	be submitted	with this form
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Expected Spud Date:	Spot Description:
month day year OPERATOR: License#	
Address 1:	Is SECTION: Regular Irregular?
Address 2:	(Note: Locate well on the Section Plat on reverse side) County:
Phone:	Field Name:
CONTRACTOR: License# Name:	Is this a Prorated / Spaced Field? Yes No
Well Drilled For: Well Class: Type Equipment: Oil Enh Rec Infield Mud Rotary Gas Storage Pool Ext. Air Rotary Disposal Wildcat Cable Seismic ; # of Holes Other Other:	Nearest Lease or unit boundary line (in footage): Ground Surface Elevation: Water well within one-quarter mile: Yes No Public water supply well within one mile: Yes No Depth to bottom of fresh water: Depth to bottom of usable water: Surface Pipe by Alternate: I Length of Surface Pipe Planned to be set: Length of Conductor Pipe (if any): Projected Total Depth: Formation at Total Depth: Water Source for Drilling Operations:
Directional, Deviated or Horizontal wellbore?	Well Farm Pond Other:
If Yes, true vertical depth:	DWR Permit #:
Bottom Hole Location:	(Note: Apply for Permit with DWR)
KCC DKT #:	Will Cores be taken?
	If Yes, proposed zone:

AFFIDAVIT

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq.

It is agreed that the following minimum requirements will be met:

- 1. Notify the appropriate district office *prior* to spudding of well;
- 2. A copy of the approved notice of intent to drill shall be posted on each drilling rig;
- 3. The minimum amount of surface pipe as specified below shall be set by circulating cement to the top; in all cases surface pipe shall be set through all unconsolidated materials plus a minimum of 20 feet into the underlying formation.
- 4. If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary prior to plugging;
- 5. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
- 6. If an ALTERNATE II COMPLETION, production pipe shall be cemented from below any usable water to surface within 120 DAYS of spud date. Or pursuant to Appendix "B" - Eastern Kansas surface casing order #133,891-C, which applies to the KCC District 3 area, alternate II cementing must be completed within 30 days of the spud date or the well shall be plugged. In all cases, NOTIFY district office prior to any cementing.

Submitted Electronically

For KCC Use ONLY	
API # 15	
Conductor pipe required	feet
Minimum surface pipe required	feet per ALT. I II
Approved by:	
This authorization expires:	tarted within 12 months of approval date.)
Spud date: Ag	gent:

Remember to:

- File Certification of Compliance with the Kansas Surface Owner Notification Act (KSONA-1) with Intent to Drill;
- File Drill Pit Application (form CDP-1) with Intent to Drill;
- File Completion Form ACO-1 within 120 days of spud date;
- File acreage attribution plat according to field proration orders;
- Notify appropriate district office 48 hours prior to workover or re-entry;
- Submit plugging report (CP-4) after plugging is completed (within 60 days);
- Obtain written approval before disposing or injecting salt water.
- If well will not be drilled or permit has expired (See: authorized expiration date) please check the box below and return to the address below.
 - Well will not be drilled or Permit Expired Date: Signature of Operator or Agent:

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For KCC Use ONLY

API # 15 - ____

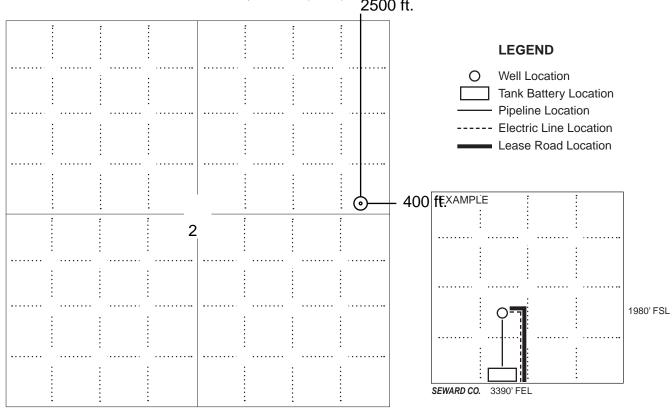
IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

In all cases, please fully complete this side of the form. Include items 1 through 5 at the bottom of this page.

Operator:	Location of Well: County:
Lease:	feet from N / S Line of Section
Well Number:	feet from E / W Line of Section
Field:	Sec Twp S. R E 🗌 W
Number of Acres attributable to well: QTR/QTR/QTR/QTR of acreage:	Is Section: Regular or Irregular
	If Section is Irregular, locate well from nearest corner boundary.
	Section corner used: NE NW SE SW

PLAT

Show location of the well. Show footage to the nearest lease or unit boundary line. Show the predicted locations of lease roads, tank batteries, pipelines and electrical lines, as required by the Kansas Surface Owner Notice Act (House Bill 2032). You may attach a separate plat if desired. 2500 ft.



NOTE: In all cases locate the spot of the proposed drilling locaton.

In plotting the proposed location of the well, you must show:

- 1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.
- 2. The distance of the proposed drilling location from the south / north and east / west outside section lines.
- 3. The distance to the nearest lease or unit boundary line (in footage).
- If proposed location is located within a prorated or spaced field a certificate of acreage attribution plat must be attached: (C0-7 for oil wells; CG-8 for gas wells).
- 5. The predicted locations of lease roads, tank batteries, pipelines, and electrical lines.

Side Two



KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1055139

Form CDP-1 May 2010 Form must be Typed

APPLICATION FOR SURFACE PIT

Submit in Duplicate

Operator Address: Contact Person: Phone Number:					
Contact Person: Phone Number:					
Lease Name & Well No.: Pit Location (QQQQ):	Pit Location (QQQQ):				
Type of Pit: Pit is:					
Emergency Pit Burn Pit Proposed Existing SecTwpR East Wes	:				
Settling Pit Drilling Pit If Existing, date constructed:Feet fromNorth / South Line of Sec	ion				
Workover Pit Haul-Off Pit — Feet from East / West Line of Sect	ion				
(If WP Supply API No. or Year Drilled) Pit capacity:(bbls)Court	nty				
Is the pit located in a Sensitive Ground Water Area? Yes No Chloride concentration: m (For Emergency Pits and Settling Pits only)	g/l				
Is the bottom below ground level? Artificial Liner? How is the pit lined if a plastic liner is not used? Yes No Yes No					
Pit dimensions (all but working pits):Length (feet)Width (feet)Width (feet)					
Depth from ground level to deepest point: (feet) No Pit					
material, thickness and installation procedure. liner integrity, including any special monitoring.					
Distance to nearest water well within one-mile of pit: Depth to shallowest fresh water feet. Source of information:					
feet Depth of water wellfeet feet measured well owner electric log KDWR					
Emergency, Settling and Burn Pits ONLY: Drilling, Workover and Haul-Off Pits ONLY:					
Producing Formation: Type of material utilized in drilling/workover:					
Number of producing wells on lease:	Number of working pits to be utilized:				
	Abandonment procedure:				
Does the slope from the tank battery allow all spilled fluids to flow into the pit? Yes No Drill pits must be closed within 365 days of spud date.	Drill pits must be closed within 365 days of spud date.				
Submitted Electronically					
KCC OFFICE USE ONLY	AS				
Date Received: Permit Number: Permit Date: Lease Inspection: Yes	No				

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202



KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1055139

CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

Form KSONA-1 July 2010 Form Must Be Typed Form must be Signed All blanks must be Filled

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-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:	When filing a Form T-1 involving multiple surface owners, attach an additional
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:	county, and in the real estate property tax records of the county treasurer.
City: State: Zip:+	

If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.

Select one of the following:

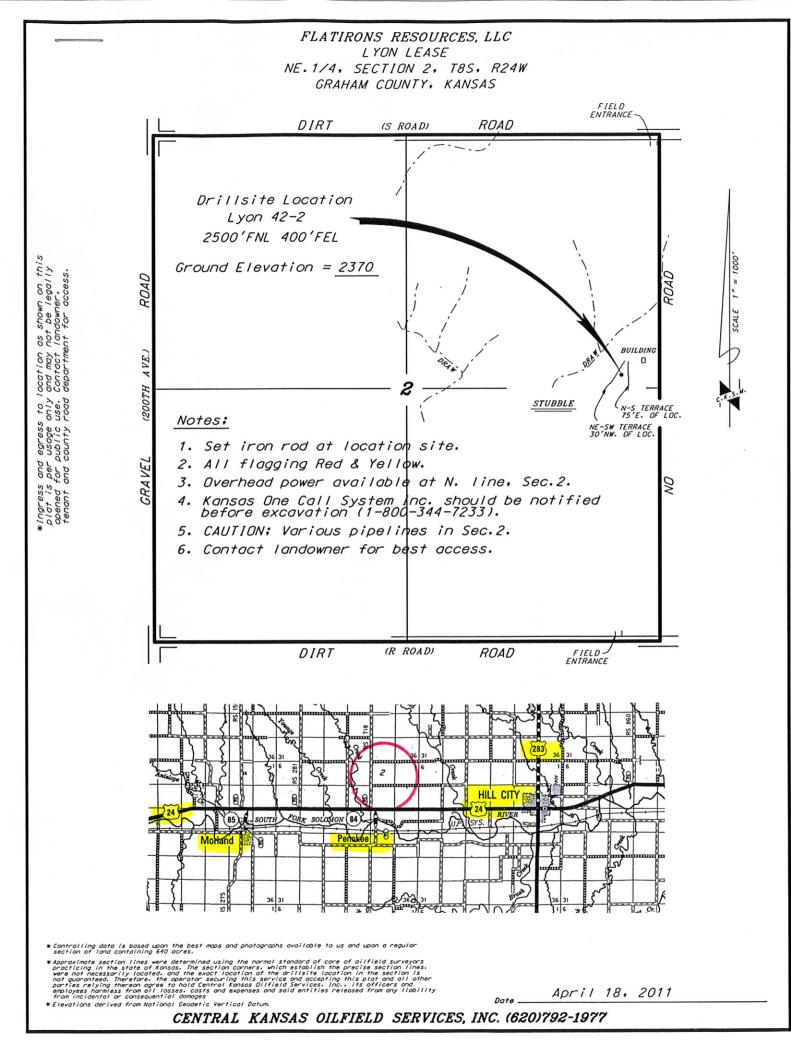
- I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.
- □ I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

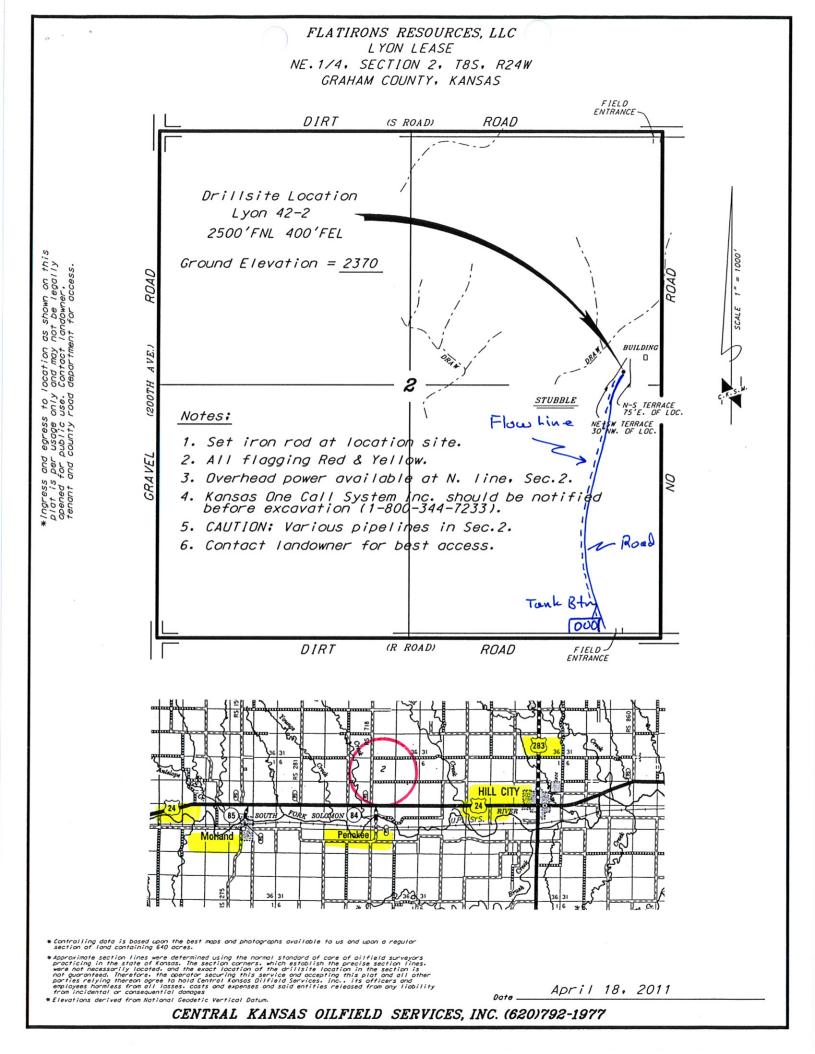
If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.

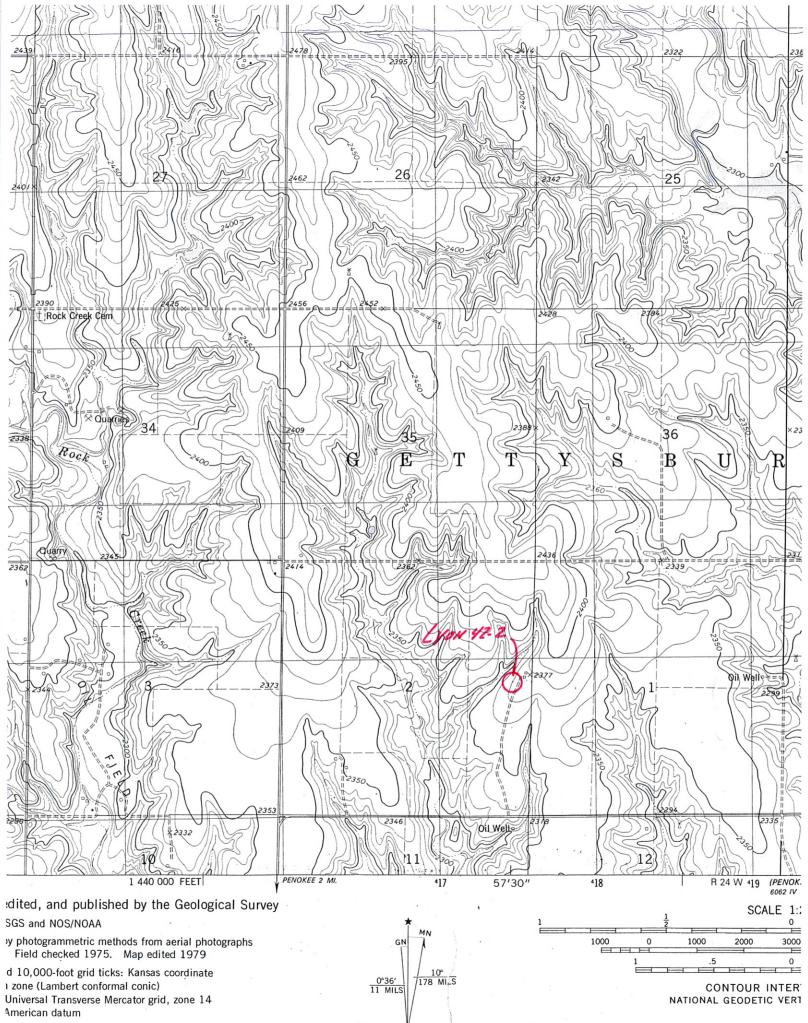
Submitted Electronically

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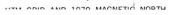
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ned lines indicate selected fence and field lines where



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OIL AND GAS LEASE

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AGREEMENT, made and entered into this <u>Sth</u> day of <u>January, 2011</u> by and between

Robert E. Lyon and Barbars Lyon, husband and wife whose mailing address is

1104 Prairie Wind. Stephenville. TX 76401, hereinañer called lessor (whether one or more), and

HOP Energies. LLC. PO Box 47911. Wichita. KS 67201 insteinant called lesse.
 Lessor, in consideration of Ten Dollars (S 1699) in hard paid, receipt of which is barehy acknowledged and of the myalitiss herein provided and of the agreements of the lessen berein contained, hereby grants, lesses and lets caris/soly unto lesses for the purpose of invesigating, exploring by parts, lesses and lets caris/soly unto lesses for the purpose of invesigating, exploring by solver, provided and of the agreements of the lessen therein contained, hereby grants, lesses and lets caris/soly unto lesses for the purpose of invesigating, exploring by and other respective constituent produces, injecting gas, water, other fulds and all ling, mining and operating for store on a grant and and the respective constituent produces, injecting gas, water, other fulds and all into subsurdates strata, having the lines, storing oil, hiquid hydrocarbons, gases and their respective constituent produces, and other produces, are of treat, manufacture, process, store and transport solid hydrocarbons, gases and their respective constituent products and other produces, are other funds and and their respective constituent products and other produces, and other structures and things therean the products and other structure and through the structure and their respective constituent products and other products and otherwise caring for its employees, the following described land, begins there with any reversionary rights and after acquired interest, therein situated in the County of Graha<u>a</u>. State of <u>Katassa</u> described as fulled.

Township 8 South, Range 24 West Section 1: W/2W/2 Section 2: E/2E/2

- m, d,
- In Section <u>XX</u> Township <u>XX</u> Range <u>XX</u> and containing <u>320.00</u> Acres, more or less, and all accurbons therem. Subject to the provisions herein contained, this lesse shall remain in force for a term of <u>three FOP</u> years from this date (called "primary herm", and as long as thereafter as oil, liquid hydrocarbons or gas or other respective constituant produces, or argiform of them is produced from suid land or land with which asid had be pooled. In consideration of these provisions herein contained, this lesse shall remain in force for a term of <u>three FOP</u> years from this date (called "primary herm", and as long as the excitent of three primary larm size or the respective constituant produces, or argiform of them is produced from suid land or land with which asid had be pooled. In consideration of these previses are constant and saved from the lessed premises.
 In the produced and saved from the lessed premises.
 In the produced and saved from the lessed premises.
 In the manufacture of produces thereafted the present of produces thereafter, and produces thereafter that and as a sublet, for the gas sold, used of the premises, or used of the premise, or used in the manufacture of any produces therefrom, the produces thereafter (1/8) part of all oil produces thereafter (1/8) is the market price at the well, (but, as the gas sold by lesses of the precise is and sixed from a well produced gas only is not sold or used, fisser may produced thereafter (1/8) of the preceder for the insection a well produces thereafter (1/8) of the preceder from a sublet last gas only is not sold or used, fisser may produced thereafter (1/8) of the preceding gas only is not acid or used, fisser may put tender as more than one tighth (1/8) of the preceding preserver from a well produces the fisser or and produces the track or the interact or and is produced that gas is being produced thereafter (1/8) of the preceding gas only is not acid or used, lesser may per manine therming the primary term hereafter (1/8) and fi
- years first membioned. If said lessor ones a less interest in the above described land than the entire and undivided fee simple estate therein, then the royalties herein provided for shall be paid to lessor only in the proportion which lessor's interest beers to the whole and undivided fee. Lessee shall have the right to use, free of eost, gas, oil and water produced on the lessed premises for lesses's operations thereon, except water from wells of Lessee shall have the right to use, free of eost, gas, oil and water produced on the lessed premises for lesses's operations thereon, except water from wells of vi.
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- When requested by the lessor, lessee shall bury lessee's pipelines below plow depth. No well shall be drilled nearer than 200 fact to a house or born now on said premises without the written consent of the lessor. Lessee shall prov for all damages taused by lessee's operations to growing corps on said premises, including the right to draw and remove cusing. Lessee shall prov for all damages taused by lessee's operations to growing corps on said premises, including the right to draw and remove cusing. Lessee shall prove the right at any time to remove all machinery and fixtures placed on said premises, including the right to draw and remove cusing. If the essent of the same of either party hereto is assigned and the privilege for stagging in whole or in part, is capared, the coverants hereof shall extend to its here the lessor are avaitably machinery and fixture placed on said premises, including the brinding on lessee undi to the essee may at any time recenter and deliver to lessor or place of resold to the hands or resignment. Lessee may at any time enceaute and deliver to lessor or place of record a release covering any portion or portions of the above described premises and Lessee may at any time accente and deliver to lessor or place of record a releases covering any portion or portions, and this lease shall not be thereby surrender. All express or implied coverance of this lease for all obligations as to the actage armonder. All express the first end essee are the deliver to lessor or place of doil obligations is to the actor, react the lesses hall have lut expressed and the resolution or portions of the short described and the resolution. Lessee may at any time accente and deliver to lessor or place of a obligations as to the actage armonder. All expresses or implied coverance of this lease for the actage armonder. Rules or Regulations, and this lease shall not be terminated, in whole or in part, not lessee had liable in damage, in the eventy dark in the secor, and the resol, or the synthesized accorded h
- merou. Lesses, at its option, is hereby given the right and power to pool or combine the acreage covered by this lease or any portion thereof with other land, tests or lesses in the immediate vicinity thereof, when in lesser's judgment it is necessary or advisable to do so in order to properly develop and operate and lesse premises so as to promote the conservation of oil, gas or other minerals in and under and that may be produced from and premises, such pooling to be of tracts configuous to one mother and to be into a unit or units not exceeding 40 acres each in the event of a gas well. Lesses shall exceeding 40 acres each in the event of a oil well, or into a unit or units not exceeding 640 acres each in the event of a gas well. Lesses shall exceeding the acress and mother and that in the only in which the land herein lesses is situated an instrument identifying and describing the pooled acreage. The entire acreage so pooled into a tract or unit shall be treated. For all purposes exceed the payment of regulates on production from a unit or wells be located on the prolucion is found on the pooled acreage, it production is read from this less, whether the well or wells be located on the particites to verset by this lease or not. In live of the costifies the runt or fire york and from this less, whether the wells on wells be located on the prolucion is found on the pooled acreage, its production is that it receive on production from a unit so units wells were there acreage by this lease or not. In live of the costifies the unit or his royally interest therein on an arcarage basis bears to the total acreage to product of the total started at the event therein on an arcarage basis bears to the total acreage to the total the unit or his royally interest therein on an arcarage basis bears to the total acreage in the unit or his royally interest therein on an arcarage basis bears to the total acreage to the total vice or the unit or his royally interest therein on an areage basis bears to the total acreage to a tota Ц.

IN WITTNESS WHEREOF, the undersigned execute this instrument as of the day and year first written above. Witnesses:

X Barbara Lyon Tax D# Relevi & Um Kobert E. Lyon Tax ID#

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OIL AND GAS LEASE

AGREEMENT, made and entered into this <u>5th</u> day of <u>January, 2011</u>, by and between

Marilynn L. Powell, a single person whose mailing address is

694 Cavalcade Circle. Naperville. IL 60549. herinafter called lesson (whether one or more), and

HOP Energies. LLC. PO Box 47911. Wichita. KS 67201 hereinether called lesses.
L. Lessor, in consideration of the *μ*⁽¹⁾ 3(*μ*, *μ*⁽²⁾) 3(*μ*⁽²⁾) 1. Lessor, in consideration of the Dollars (3 TOD6) in frand pictures of which is hereby achoowledged and of the royaltics herein provided and of the agreements of the lesson herein consideration of the Dollars (3 TOD6) in frand pictures and less exclusively unto tessee for the purpose of investigating, exploring by geophysical and other means, prospecting maining and operating for an other means, prospecting maining and operating for an other means, prospecting maining and operating for an other means, other during maining and operating for an operating oil liquid hydrocarbons, leges, and their respective constituent provided and of the spectra and diverse for the purpose of investigating the structures and observables and their means, and are manufacture, produces, and other means, other dual at an in subsurface strata, laying pic fires, storing oil, blinding and power stations, taleohone lines, and other structures and distructures produces, and other structures and other produces, and are intersected therefore, and other structures and other produces, and other means, produces, tases and at an intersective double dual of the transform, and how manufacture, process, store and transport said oil, liquid hydrocarbons, gases and their respective constitues produces, and other structures and observable and transport and the process, store and transport said oil, induction, and the manufacture dual burden provided and otherwise caning for its employees, the following descended here, with any reversionary rights and ultr-acquired interest, therein structed in the County of <u>Grahaam</u>. State of <u>ManSSS</u>, described as following described interest, therein structed in the County of <u>Grahaam</u>.

Township 8 South, Range 24 West Section 1: W/2W/2 Section 2: E/2E/2

- In Section XK. Township XX Range XX and containing <u>320.00</u> Acres, more or less, and all accretions thereto. Subject to the provisions herein contained, this lease shall remain in force for a term of <u>three train</u>. Years from this date (called 'primary term'), and as long as thereafter as on, liquid hydrocarbons or gas or other respective constituent products, or any form of them is produced from said land or land with which said tand ų en i
- is pooled. In consideration of these premises hesee covenants and spres: a. To beliver to the readit of itsensy free of cost, in the pipeline to which lessee may connect wells on said land, the equal one-eighth (1/8) part of all oil produced and saved from the leased premises. b. To pay lesson for gas of whatshover nature or kind produced and sold or used off the premises, or used in the manufacture of any produces therefrom, one-eighth (1/8), at the marker price at the well, (but, as to gas sold by lessee, in no event more than one-eighth (1/8) of the proceeds received by lessee from such such such such and producing gas only is not sold or used, lease, any optimest the free off the proceeds received by lessee from a well producing gas only is not sold or used, lessee, any pay or house therefrom, and partent to area and area area retained theremuder, and if such payments to the primary the proceed that gas is being produced within the meaning of the pre-reding paragraph. This lease are corrany extension theresof, the lessee shall have the regist to drill such well to completion with reasonable diligence and disqual, the lessee shall commence to drill a well within the term of gas, or either of the preventing the lease shall have the right to drill such well to completion with reasonable diligence and disqual, and if a vali within the term of gas, or either of them are of the lease shall have the right to drill such well to completion with reasonable diligence and disqual, and if or or gas, or either of them, be found in paying quantities, this lease shall commence to drill a well within the meaning.
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- years first mentioned. If said lesson owns a less interest in the above described land than the entire and andrybled fee simple estate therein, then the royarities herein provided for shall be paid to lesson only in the proportion which lesson's interest bears to the whole and undivided fee. Lesses shall have the right to use, free of cost, gas, oil and water produced on the leased premises for lessoe's operations thereon, except water from wells of ŝ
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- Wern requested by the laseor, lessee shall bury lessee's pipelines below plow depth. Wern explored by the affinite harmer than 200 feet to a house or barn flow on said pranties without the written consent of the lesson. Lessee shall have the right at any time to remove all machinery and frattures placed on said prantises, including the right to draw and remove casing. Lessee shall have the right at any time to remove all machinery and frattures placed on said mark. Lessee shall have the right at any time to remove all machinery and frattures placed on said mark. Lessee shall have the right at any time to remove all machinery and frattures placed on said mark. Lessee stall have the right at any time to remove all machinery and frattures placed on said mark. Lessee stall have the right at any time to remove all machinery and frattures placed on said mark. Lessee stall have the right at any time to remove all machinery and frattures placed on said prantises, including the right to draw and remove casing. If the estate of cither party hereto is assigned portion or a true oopy thereof. It case lesses using this lesse, in whole or in part, lessee shall be releved of all obligations with respect to the sastigned portion or solutions to the cases to constrain any time excents and deliver to lessor or place of record a releases correing any portion or portions of the above described prantises and All captress or in part, lessee shall he subject to all Fedaral and State Law, Executive Orders, Rules or Regulations, and this lesse stall to thereby surmated, in whole or in part or Regulations and be relieved of all obligations as to the carders, Rules or Regulations, and this lesse stall not be terminated, in whole or in part or Regulations and be relieved of all obligations to the case at the the right at any time to redeen for thereby surmated was are so to aching the table of the state Law, Executive to the right of owner and homestead by particular agrees to defen the above described, and agrees that the lessee shall ha 15.
- Lesso, at ifs option, is hereby given the right and power to pool or combine the acreage covered by this lease or any portion thereof with other hand, lease or provide the function of the indicate with other land, lease or the intraction of only and other the acreage covered by this lease or any portion thereof, when in lesse's judgment it is accessary or advisable to do so in order to properly develop and operate said lease premises so as to promote the conservation of only gave or other mineruls in and under and that may be produced from said premises, such probing to be of tracks configures to one another and to be into a unit or units not exceeding 40 acres each in the event of a row well. Lessee shall excert in writing and record if the convergence eccords of the county in which the land herein leases is struated an rowalities on modeling the mate and the vert of and and write the well excert in writing and the converging to the county in which the land herein leases is struated an rowalities on molection from the pooled acreage. The entire acreage so pooled into a tract or unit shall be tracted, for all purposes excerpt the proment of here event of the same write the well or wells are belied acreage. The entire acreage so pooled into a tract or unit shall be tracted. And the tracted is formed in final fease. If production is found on the pooled acreage. It production is found on the pooled acreage, and the tracted of the rowalise fease if from the pooled acreage. The entire access of the convert of the rowalities of the rowalise to evel or wells be located on the protein the access of any such tracted or the protein access is the anount of his acreage, if while the intervent there well or wells are beneficiantly and the tracted or the protein the protein access of the provide access the protein access of the provide access the protein access of the protein access the access the protein access of the protein access of the protein access is and the tracted access of the protein access of the protein access

IN WITNESS WHEREOP, the undersigned execute this instrument as of the day and year first written above. Witnesses:

X 7 Jaueleser

Tax ID#

I (RS, OK, CO) January, 2011, personally appeared within foregoing instrument and poses therein set forth A STATION (NY),) porsonally appeared instrument and acknowledged th.	personally appeared	ividual (CS, OK, CC) day of
	Acknowledgment for Individual (XS, OK, CO) a undersigned, a Notary Public, within and for said County and State, on this to undersigned, a Notary Public, within and for said County and State, on this to me set of the the same set of the the identical person(s) who excented the within foregoing ine accould the same set of Notary act(s) and deed(s) for the uses and purposes therein set forth. WHEREOF, I have hereurdto set my hand and official seal/the day and year last above written. Notary Public	Acknowledgment for Individual (KS, OK, CO) tate, on this	for Inc. and the and the those of the second of
Conflicted S Conflicted S Lemniter State of III-ors Not Commission Expires Of III-ors My Commission Expires Of III-ors and County and State, on this Acknowledgment for Indiv asid County and State, on this Acknowledgment for Indiv text and County and State, on this Acknowledgment for Indiv text and County and State, on this Acknowledgment for Indiv text and County and State, on this Acknowledgment for Indiv actor and other and State, on this actor act	set Acknowledgm aid County and State, on this to be the identical person(s) whe mary act(s) and deed(s) for the u official scalithe day and year last	ss: Arknowledgme aid County and State, on this to be the identical person(s) whe thry sel(s) and dent(s) for the us thry ard(s) and dent(s) for the us	Acknowlodgeneric Walky, within and for said Compy and State on this Walky, within and for said Compy and State on this Walky, within and for said Compy and State on this The personally known to be the indical present (5) and deed(5) for the use of this and the day and deed(5) for the use of this and the day and deed(5) for the use of the
63 U (Rev. 1993, ATH 12/2006) Use Notary STATE of <u>Illinois</u> STATE of <u>Illinois</u> STATE of <u>Illinois</u> STATE of <u>Allinois</u> STATE))))))))))))))))))))))))))))))))))))))	of	TO TO TO TO TO TO TO TO TO TO
63 U (Rev. 1993, ATH 12/2006) STATE of <u>Illinois</u> COUNTY of <u>NACC</u> BERGNE me, the undersigned, a Normary P <u>Marritvan L. Powell a single woman</u> no witrNESS WHEREOF, I have here NY commission expiredy (Q-10-000)	VITE of	f effore me, the undersigned, a.) <u>effore me, the undersigned, a.</u>) <u>effore the sam</u> <u>overcuted the sam</u> <u>overcuted the sam</u> <u>ion expires</u>	ATE of ATE of DUNTY of Before me, the undersigned, a N WITNESS WHEREOF, The commission expires are in WITNESS WHEREOF, The Commission expires are an universe of the Sate of UNTY of Be it renormbered that on this county and state afforestid, earne portions of the Sate of Onthe WITNESS WHEREOF, I have hereuno commission expires are an outposed to the set of the Sate of Onthe MITNESS WHEREOF, I have hereuno commission expires and set afforts.
63 U (Rev. STATE of COUNTY of Mailyun ecknowledge Ny commissi	STATE of COUNTY of B b methar My contraise	STATE of STATE of COUNTY of Before me, t	STATE of COUNTY of My commission expires My

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OIL AND GAS LEASE

AGREEMENT, made and cultured into this Sth. day of January, 2011, by and bet

. David Lynn Lyon and Margaret Lyon, bushand and wife whose muling address is

2409 Locust Hill Roulevard. Beavercreek. OH 45431. bereinafter called lessor (whether one or more), and

BOP Energies, LLC. PO Box 47911, Wichitz, KS 67201 hereinafter called les

....

Lessor, in consideration of Ten Dollars (§ 10.00) in hand paid, receipt of which is hereby acknowledged and of the revealence provided and of the agreements of the lesses herein contained, hereby grants, leases and lets exclusively unto lesses for the purpose of investigating, exploring by geophysical and offer means, prospecting, antiming, mining and operating for and producting oil, highed bydrocarbons, all geos, and their respective constituent products, injecting gat, water, postering, antiming, mining and operating for and producting oil, highed bydrocarbons, all geos, and their respective constituent products, injecting gat, water, produce, story take and air ialo subsurface stants, laying pipe lines, storts only allocarbons, gases and their respective constituent products and other produce, story take care of frast, manufacture, process, stort and transpirated oil, liquid hydrocarbons, gases and their respective constituents poducts and products manufactured thereford, and boxing and otherwise caring for its employees, the following described as follows, by wit, products manufactured interest, therein situated on the County of <u>Graham</u>. State of <u>Kanses</u>, described as follows, p wit:

Township 8 South, Range 24 West Section 1: W/2W/2 Section 2: E/2E/2

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- In Section XX Township XX Range XX and containing <u>320.00</u> Arres, more or less, and all accretions thereto. Subject to the provisions herein contained, this lease shall remain in force for a tarm of <u>TWO (2)</u> years from this date (called "primary term"), and as long as the provision sherein contained, this lease shall remain in force for a tarm of <u>TWO (2)</u> years from this date (called "primary term"), and as long as the provision of these premises lease coverants and agrees.
 a therafter as oil, liquid hydrocarbots or gas or other respective constituent products, or any form of them is produced from said land, the call or land with which said land in contained in contained in contained in the maximum set of the premises.
 a To deliver to the credit of lessor, free of cost, in the pipelate to which lesses may connect wells on said land, the equal one-eighth (1/8) part of all oil provident from said land, the capal one-eighth (1/8) part of all oil provident from a set from the leased promises.
 b To pay lessor for gas of the premises.
 b To pay lessor for gas of the premises.
 c and solar to the credit of lessor, free as lesse over any examption of the premises, or used in the manufacture of any lesser from a well producing gas only is not solar or when year, more than one-eighth (1/8) or the proceeds received by lesser from a well producing gas only is not solar or with the restored or there are all written fractions. This lesser may the maximum of the lesser shall are written fracter as it beyonered that gas is being produced within the maximum of written proceeds received within the maximum of the proceeds received by lesser from a well provide driving the relative or will like or flore as its beyonered to drive as its beyonered to the proceeds received by lesser from a well provide of them provide drive of the lesser shall have the right to drill such well to complete with the removing on the received with the term of the lesser shall nearched with the term of the lesser shal 4
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- stand the second of the second of the second of the second the second much view of the simple estate therein, then the royaltics berein provided for shall be staid to bessor only in the proportion which lessor's interest bears to the whole and much vided fee. Essee shall have the right to use, free of cost, gas, oil and water produced on the leased premises for lesses's operations thereon, except water from wells of paid to lessor only ŵ
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 - When reacted by the lessor, lesses shall bury lesser's pipelines below plow depth. When requested by the lessor, lesses shall bury lesser's pipelines below plow plow plow without the written concern of the lessor. No well shall be drilled neurer than 200 fact to a house or harm now on said premises without the written concern of the lessor. Lesses shall pay for all damages caused by lesser's operations to growing corps on said pand. Lesses shall pay for all damages caused by lesser is a previse state of the lessor. Lesses shall pay for a super the remove all machinery and fixtures placed on said premises, including the right to draw and remove casing. Lesses shall have the right at any time to transve all machinery and fixtures placed on said premises, including the right to draw and remove casing. The excentors, administrators, uncoccosors or assigned and the privilege and the privilege and the privilege on the case assignment of remals or mythine shall excited to its place of record a release to relate spectant of remals or mythine shall be building on lesser that lesses are as on whoth or no excited portions of the lessor of place of record a release covering any portion or portions of the lesse thal be antijert to lesser or place of record a release covering any portion or portions of the lesse shall be envior. All express or implied coverants of this lesse shall be antigret to all edsificants. For these, Excertive Orders, Rules are thal lesse shall no the envior or prices and the lesses shall be enviored to all obligations as the sense state here at a second a release or release covering arreader by wrattants and every fine teaks that be enviored to all obligations and be released to all obligations and be released or releases to relate the lesse at a submouted by wrattants and a previson or place of record a release or releases covering any portion or portions of the ender of the order with the ender or a spectation or a state state is esserthed at the lesses shall have the right of dower and horder of th 5
 - Lesses, at its option, is hareby given the right and power to pool or combine the acreage covered by this lease or any portion thereof with other land, lease or any to find the recof with other land, lease or the formediate visinity thereof, when in lesses's judgment it is necessary or advisable to do so in order to properly develop and operate and lease comparises is or promote the conservation or only give combarchash in and under and that may be produced from said premises, such pooling to be of large comparises to so a mother and to be into a units or miss net exceeding 40 acres each in the event of a gas well. Lesses shall excerts in the conversate to that on the visite and that may be produced from said premises, such pooling to be of large comparises to so a mother and to be into a units or miss net exceeding 40 acres each in the event of a gas well. Lesses shall excerts in the onveynance rooms of the county in which the hard horein lesses is situated a instrument identifying and describing the pooled areage. The entite acreage so pooled into a tract or unit shall be tracted or site provided in the leven of the county in which the hard horein lesses is situated a novalities on production from the pooled unit, as if it were included in the large or the pooled areage. The entite acceage so pooled into a tract or unit shall be tracted or in professes of the pooled areage. The entite acceages to production is found on the pooled areage. The necessary to a which the the well or wells be located on the protection is found on the pooled areage of and the areage of the acceage in the areage. The necessary that have the pooled areage the interval set of the acceage in the term of the areage of the acceage in the term of the areage the pooled areage. The entite acceage so pooled in the term of an its pooled areage to a set of the acceace in the term of the areage the term of or any set of the acceage. The entite acceage so pooled in the term of the areage to pooled any such pooled on the proteind of the tracted ar

Margarel Lyon as of the day and year first written above. N. WITNESS WHEREOF, the undersigned exegute this inst alle David Lynn Lyon

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SIAIE of COUNTY of Before David Lynn I	T AI)) and for said Co l and wife	Active Section (1997) Communication (1997) Communication (1997) (
instructurent and actrowled IN WITNESS My commission expires	S	same as <u>their</u> and and official s	
STATE of COUNTY of		#	Acknowledgment for Individual (KS, OK, CC)
to me that IN WIT	Before me, the undersigned, a Notary Public, within an one personally is executed the same as in WITINESS WHEREON, i have herenmo set my have	and for said County / known to be the id and voluntary act(s) and and official seaf	ty and State, on thisday of
My commission expires	pines		, Notiry Public
STATE of COUNTY of		¥ ~~~	Acknowledgment for Individual (KS, OK, CO)
Before n to me that NWITI	Before me, the undersigned, a Notary Public, within and executed the same as IN WITNESS WHEREOF, I have hereunto set my hand	and for said County and Sta y known to be the identical and voluntary act(s) and dee and and official seal the day	v and State, on thisday of, personally appeared identical person(s) who executed the within foregoing instrument and acknowledged at day dead(s) for the uses and purposes therein set forth.
My commission expires	-		, Notary Public
STATE of COUNTY of		и 	Acknow/edgment for Individual (KS, OK, CO)
Before m to me that IN WITE	Before me, the undersigned, a Nokary Public, within a consult of the parsonally executed the same as IN WITNESS WHEREOF, I have hereums set nor ha	und for said County / known to be the ic nd voluntary act(s) and and official see!	for said County and State, on this day of personally appeared now in the the identical person(s) who excerted the within foregoing instrument and acknowledged voluntary cor(s) and decl(s) for the set and purposes therein set forth.
My commission expires			Notary Fublic
OIL AND GAS LEASE	LIOW	Date 20 20 Date 20 202	STATE OF KANBAG ORMAN COUNTY KANBAG Andread OREGO OREGO ORANA Book: ZAGH FEGE GL GL Page: BGL - GL GL GL GL Page: Page: BGL - GL GL GL Page: Page: M and Auly Marchage Marchage Marchage Andread Cristick M and Auly Marchage Marchage <td< td=""></td<>
STATE of COUNTY of Be it reme the county and state a	mbered that on this day of forestal, carne	20 20	tion (KS, OK, CD) alon (KS, OK, CD) a Notary Public, daly commissioned, in and for
corporation of the State of the foregoing instrument of w the uses and purposes therein IN WITNESS WHEREOF, I	the State of the State of the state of the state comparison of the state of the sta	personally known nd duty al scal the day and	T to me to be such officer, and to be the same presson who executed as such officer acknowledged the execution of the same forself and for said corporation for Vear has above written.
Ay commission expli	- -	1	Notary Public

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549 **OIL AND GAS LEASE**

AGREEMENT, made and entered into this Sth day of January, 2011 , by and between

.Robert A. Adams and Jan Adams, bushand and wife whose mailing address is

P. O. Box 940644, Simj Valley, CA 93094, hereinafter called issen (whether one or more), and

HOP Enervies, LLC. PO Box 47911, Wichita, KS 67201 ., hereinafter called lesses.

Lessor, in consideration of Ten Dollars (\$ 10.00) in hand paid, receipt of which is hereby acknowledged and of the royalties herein provided and of the agreements of the lessee herein contained, hereby grants, leases and less exclusively unto lessee for the purpose of investigating, exploring by grophysical and other means, of the lessee herein contained, hereby grants, leases and less exclusively unto lessee for the grapose of investigating, exploring by grophysical and other means, other fluids and air into subsurface strata, hying pipe lines, storing oil, biquid hydrocarbons, all gases, and their respective constituent produces, injecting gas, water, produce, save, take case of, treat, manufacture, process, store and transport sido oil, liquid hydrocarbons, gases and other respective constituent produces and other arcurens and take produce, save, take case of, treat, manufacture, process, store and transport sido oil, liquid hydrocarbons, gases and other respective constituent produces and other produce, save, take case of, treat, and housing and coherene caning for its employees, the following described land, together with any reversionary rights and after-acquired interest, therein situated in the County of <u>Graham</u>. State of <u>Kanazas</u>, described as follows, to wit. *...*

Township 8 South, Range 24 West Section 1: W/2W/2 Section 2: E/2E/2

- In Section XX Township XX Range XX and containing 320.00 Acres, more or less, and all accretions thereto. r,
- Subject to the provisions herein contained, this lease shall rarnian in force for a term of three (3), years from the state called "primary term"), and as loag as thereafter as oil, liquid frydrocarbours or gas or other respective constituent products, or any form of them is produced from said land or land with which said land is pooled. In consideration of these premises lessee coverants and aspects:

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- In consideration of these premises lessee covenants and agrees: a. To deliver to the crucit of lesson, free of cost, in the pipeline to which lessee may connect wells on said land, the equal one-eighth (1/8) part of all oil produced and score frame the lessed premises. b. To pay lessor for gas of whatscover nature or kind produced and sold or used off the premises, or used in the manufacture of any produces therefrom, one-eighth (1/8), at the market price after well, (but, as to gas value) in no event more than one-eighth (1/8) part of all oil one-eighth (1/8), at the market price after well, (but, as to gas value) in no event more than one-eighth (1/8) of the proceeds received by lessee, from a sid stacks, for the gas sold, used off the premises, or in the manufacture of produces therefrom, and produces therefrom, and if such producing gas only is not sold or used, lessee may by or tander as yould. One Dollard (31) (01) per year to reath thereturder, and if such pryment or tander is made if will be considered that gas is being produced within the metaing of the precoding paragraph. This lesse may be maintened during the primary term hencef whout further payment or drilling operations. If the lessee that if onther as the forther the term of the new extension thereof, the lessee shall have the rapid to drill a well well to completion with trasonable diligence and if spatich, and if onto the term of them, be found in paying quantifies, this lesse shall continue and be in force with life effect as if such woll had been completed within the term of the effect.

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- years first mentioned. If suid tesson owns a less interest in the above described land than the entire and undivided fee simple estate therein, then the royalties herein provided for shall be paid to bessor only in the proportion which lessor's interest bears to the whole and undivided fee. Lesses shall have the right to use, free of cost, gat, oil and water produced on the lessed premises for lesses's operations thereon, except water from wells of ŝ
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- When research by the foscer, lessee shall buy lessee's pipelines below plow depth. When requested by the foscer, lessee shall buy lessee's pipelines below plow depth. No well shall be drifted nearer than 200 feet to a house or burn now on said premises without the written consent of the lessor. Lessee stall have vitor all damages cauced by lessee's operations th growing ecopys on said hard. Lessee stall have vitor all damages cauced by lessee's operations the growing ecopys on said hard. Lessee stall have vitor all damages cauced by how on a sid premises, including the right to draw and remove casing. If the estate of either party hereto is assigned and the privilege in the ownership of the lands or essignment of remains or royattics shall be hinding on lessee that it is the rescent of a non-private state of either privilege or assignation in value or or strong and the privilege of the lands or essignment of remains or royattics shall be hinding on lessee that it is the rescent of a divident privilege of the control of the lands or essignment of remains or royattics shall be hinding on lessee and it is expressed of all obligations and be relieved of all obligations are the normal and the right a more or the state of ratio and be relieved of all obligations as the the nearge surrander. All express or impair, for the lesse shall be subject to all Fodenal and State Laws, Executive Orders, Rules or Regulations, and this lesse shall be subject to all colligitions as the the nearge surrander in a lesse are not all notions on options and be relieved of all obligations as to the nearge surrander in lesse are not all notions or protons and be relieved of all obligations as the the nearge surrander. In whole or in part, nor lessee held lable in damages, for failure to comply therewith, if compliance is prevented by, or if such failure is the result of by parameters, in whole or in part, nor lessee held lable in damages, for failure to comply therewith, if compliance is provented by or fore the right of onwer and home sec
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- Lesses, at its option, is bracky given the right and power to pool or combine the acreage covered by this lesse or any portion thereof with other land, lesses or the immediate vicinity thereof, when in lesses's judgment it is nocessary or advisable to do so in order to properly develop and operals suid lesse premises as as to promote the conservations of oil, gover minimatis in and under and that may be produced from said premises, such pooling to be of tracts conservations of oil, gover or mit or units on tercoring 640 acres each in the event of an operated from said premises, such pooling to be of tracts constrained are well. Lesses shall create in writing and creating 40 acres each in the event of a gas well. Lesses shall create in writing and creating 40 acres each in the event of a more value of the county in which the land here in leases is ituated an instrument identifying and describing the pooled acreage. The catrice acreage so pooled into a tract on on the pool of the tracted for the county in which the land here in leases is ituated an opartices on production from the pooled acreage. The catrice acreage so pooled into a tract on the pool of the tracted for all buryoess excerpt the partner of had from this lease. The catrice acreage so pooled into a tract on the pool of the tracted, for all buryoess excerpt the partner of had from this lease, whether the well or wells to charter include in this lease. For bound on the pool of the tracted as if production is found the instant is a found to the instant and from this lease, it shall be treated as if production is found to the provide on the provide on the provide of the provided on the provide tracted as if production is found to the provide on the provide the mouth of the instant and from this lease, it shall be treated as if production is found to the provide tracted as if production is found to the provide tracted as if production is the lease to not. In lite of the provide tracted as if production is shall receive on production from a unit so pooled

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nt as of the day and year first written above. IN WITNESS WHEREOF, the undersigned Witnesses:

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STATE of	California	-			-
COUNTY of	XVerias	~~	33	Acknowledgment for J	Acknowledgment for Individual (KS, OK, CO)
Beft Robert A. /	Before in the undersigned, a Notary Public, within and for said County and State, on this X.J.G. day of <u>Janusary, 2011</u> , personal). Robert A. Adams and Jan. Adams. hustband and wife , to me personally known to be the intential person(s) who executed the within for instrument and actnowledged in me that they eccented to me as a state.	blic, within and for s t <u>band and wife</u> , t	aid County ar o me personal Athata	nd State, on this $\underline{X25}$ Ily known to be the identic	Before training the undersigned, a Notary Public, within and for said County and State, on this X.J.O. day of <u>January 2011</u> , personal). Robert A. Adams and Jan Adams, husband and wife, to me personally known to be the identical person(s) who executed the within for instrument and actioneded to me that they account of a more of the second instrument and actioneded to me that they account of a more of the second

y appeared regoing Robert

My commission expires My com		
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) ss: Acknowledgment for Individual (KS, OK, CO)	Before me, the undersigned, a Netary Public, within and for said County and Stars, on this day of the undersigned, a Netaronally uppeared to the the intervention of the net revealed to the second stars.
STAFE of	COUNTY of	Before me, the undersigned, a Notary Put to m

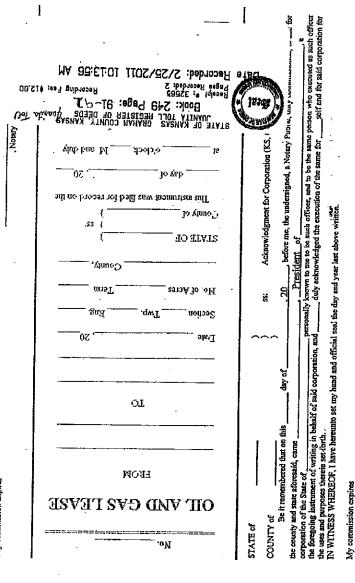
the within foregoing instrument and acknowledged poses therein set forth. Use the second secon to me that

, Notary Public		Acknowledgment for Individual (KS, OK, CO)
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	-	-
suida		
My commission expires	STATE of	

Acknowledgment for Individual (KS, OK, CO) --COUNTY of

wiedged Before me, the undersigned, a Notary Public, within and for said County and State, on this day of day of personally appeared to the identical person(s) who executed the within foregoing instrument and acknot in that the that it. WITNESS WIGEREOF, I have need to some as for and voluntary aci(s) and deck(s) for the uses and purposes therein set forth.

My commission expires



Notary Public

OIL AND GAS LEASE

AGREEMENT, made and onterned into this <u>5th</u> day of <u>January. 2011</u>., by and betw

Jacet L. Dickerson and Rlovd D. Dickerson, wife and husband whose multing address is

.<u>200 SW Robinson Ave. #1507, Topeka, KS 66606,</u> harinafta talka lastor (whather one or more), and

HOP Energies. LLC. PO Box 47911, Wichitz, KS 67201 hereinafter called lasse

Lessor, in consideration of Ten Dollars (\$ 10.00) in hand paid, receipt of which is hereby acknowledged and of the royalids herein provided and of the agreements of the lessee herein contained, hereby grants, leases and lets exclusively und tesses for the purpose of investigating, exploring by geophysical and other means, prospecting, drilling, mining and operating for and producing oil, fiquid hydrocarbons, all gases, and their respective constinuent provided supported systems, prospecting, and inter advectable stating for and producing oil, hereby acknowledged and of the royalids interving and other means, protocors, are as if this subserface stating pipe lines, storing oil, hereby and, prover atticoms, all phone. Iffest means, produce, are, take ease of, treat, manufacture, process, store and transport said oil liquid hydrocarbons, gases and their respective constituent to here and other products memistanced therefront, and housing and otherwise and intrasport said oil. Injuid hydrocarbons, gases and their respective constituent products and other products memistanced therefront, and housing and otherwise and transport said oil. Injuid hydrocarbons, gases and their respective constituent products and other products memistanced interest, therein situated in the County of <u>Grafitam</u>. State of <u>Kafitas</u>, described as follows, in wit.

<u>Township 8 South, Range 24 West</u> Section 1: W/2W/2 Section 2: E/2E/2

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- In Section XX Township XX Range XX and constrainty 320.00. Acres, more or less, and all accretions thereto. Subject to the provisions herein constrained, this lease shall remain in force for a term of <u>TWO (2)</u> years from this data (called "primary term"), and as long as thereafter as oil, liquid hydrocarbons or gas or other respective constituent products, or any form of them is produced from said hand or land with which said land. In consideration of these to the respective constituent products, or any form of them is produced from said hand or land with which said land. In consideration of these to the credit of leased from the agrees.
 a. To deliver as the credit of leased premises.
 b. To pay leasor frog as of whatsoever nature or kind produced and sold or used off the premises, or used in the manufacture of any produced theorem on event more than one-eighth (1/8) part of all oil one-eighth (1/8) part of all oil one-eighth (1/8) part of all oil part of oil part of all oil part of oil part of all oil part of oil part of oil part of oil part of all oil part of oil part o
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- If such services were the properties in the above described land than the entire and undivided foe simple estate therein, then the nyahites herein provided for shall be gaid to lessor owns in the proportion which lessor's interest bears to the whole and undivided foe. Lessoe shall have the right to use, free of cost, gas, off and water produced on the leased premises for lessee's operations thereon, except water from wells of vi

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- Wo well shall be drilled neuror dam 200 fact to a bouse of pipelines below plow depth.
 No well shall be drilled neuror dam 200 fact to a bouse or burn now on said premises without the written coasent of the lessor.
 Lesses shall pay for all damages caused by lessee's pipelines below plow depth.
 Lesses shall pay for the right at any more to remove an maximum strenge of assignment.
 Lesses shall pay for the right at any more to more all maximisery and finance placed on said premises, including the right to draw and remove casing.
 Lesses that pay where bit assigned and the privilege of assignment of remises, including the right to draw and remove casing.
 If the costhe of cither party herero is assigned and the privilege of assignment of remises, including the right to draw and remove casing.
 Refer the lessee lass been function of the motion or portions the move provide or the coverants hereof shall be binding on lessee until relived of all obligations with respect to the assignment of remises and strenges of the lessor.
 Lesses may at any time execute and deliver to lessor or phace of rand strenges or the corps thereof. In eash besce sings attis lesse, in whole or in part, lesses and there by time excents and deliver to lessor or phace of rand strenges strendered.
 Lesses may at any time execute and deliver to lessor or place of remedias releases or the asterge sumedered.
 All copress or implied coverands of the and strenges or for each of all obligations and her in lessor. For all cover and strendses, for the average sumedered.
 Lesses may at any time executes and deliver to lessor of and strend strendses. An executing any portion or protinos of the above described premises and termises. Store function ways and the average strendered.
 All copress or implied coverands of the ended strendses. For failure s the avest function is any trans the reast of ther
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execute this instrument as of the day and year first written above. IN WITNESS WHEREOF, the undersigned

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IALE OF	Kansas	•		
30 YTTVUC	WcPherson		Actrowiedgment for Individual (KS, OK, CO)	-
Before <u>anet L. Dick</u> regoing instrum	. Me, the undersigned, a Notary Public, within <u>erson and Floyd</u> D. Dickerson. wij ent and achnowledted to me that filev ¹ ev	and for said Count e and husband could the same as	Before me, the undersigned, a Nomry Public, within and far said County and Stats, on this X / 700 day of January, 2011, personally appeared [anet 1. Dickerson and Floyd D. Dickerson. wife and husband, to me personally known to be the identical persons) yabe dicting the writin persons instrument and acknowledged to me that ' executed the server of their	
ortà. IN WII	INESS WHEREOF, I have hereunto set my !	and and official sea	ordi, NWITNESS WETEREOF. I have hereunto set my hand and official seal the day and year last above written.	

<u>datter L. Uickerson and Floyd D. Dickerson, wife and husband</u> , to mer forgoing instrument and acknowledged to me that <u>they</u> excended the same as <u>their</u>	D. Dickerson, wife and hus to me that they excouted the s	e. <u>Lickerson and Floyd D. Dickerson, wife and husband</u> to me personally known to be the identical person(s) was die the widen instrument and actnowledged to me that <u>they</u> exceeded the same as <u>their</u> free and volumary act(s) and dect(s) for the referent induces of
IN WITNESS WHEREOF, I	N WITNESS WHEREOF. I have hereunto set my hand and official seal the day and year last abov	icial seal the day and year last above written.
Ny commission capital - /2 -/3		Linda K. Paul Myer Fabric
STATE of COUNTY of		ss: Acknowledgment for ladividual (KS, OK, CO)
Before me, the undersigned, a Notary Public, within at to me personally i to me that the earne as these my han IN WITNESS WHEREOF, I have bereach set my han	I, a Notary Public, within and for said to me personally known to b same as the and voluman . I have bereunto set my hand and offic	Public, within and for said County and State, on this day of personally known to be the identical personal of who executed the writin foregoing instrument and acknowledged free uses and volumery act(3) and dead(3) for the uses and purposes therein set forth.
Vy commission expires	•	, Natary Public
57 ATE of COUNTY of		ss: Acknowledgment for Individual (KS, OK, CO)
Before me, the undersigned, a Notary Public, to me p o me that coccuted the same as to me p IN WITNESS WHEREOF, I have hereutins	within and ersonally k free and et my hend	I for said County and State, on this day of depoint presentally appeared arown to be the identical person(s) who executed the within forcegoing instrument and acknowledged volumtary act(s) and decd(s) for the uses and purposes therein set forth.
dy commission expires		, Notary Public
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Before me, the undersigned, a) o me that	Before me, the undersigned, a Notary Public, within and for said County and Su Deform the undersigned, a Notary Public, within and for said County and Su corecuted the sume as the personally known to be the identical IN WITNESS WHEREBOP, I have hereunito set my hand and official seal the day	Before me, the undersigned, a Notary Public, within and for said County and State, on thisday of
fy commission expires		
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N¥ ′IIO ™	Date	Pagan Recorded; 2
TATE of	~~~	st Acknowledgem

_____personally known to me to be such officer, and to be the same person who executed us such officer and _____upt schnowledged the execution of the same for _____self and for said corporation for last above written. 5 President hand and official seal the day and ycar behalf of said corporation, È ž COUNTY of Be it remembered that on this -----id. came writing in t the county and state information and out corputation of the Shale of the foregoing instantant of writing-the to uses and purgoess thereins as i for D. WITNESS WHEREOF, I have h

ily commissioned, in and fur

. Notary Public

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> me, the Acknowledgm

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STATE of

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My commission expire

63 U (Rev. 1993, ATH 12/2006)

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OIL AND GAS LEASE

AGREEMENT, made and entered into this <u>Sth</u>, day of <u>January, 2011</u>, by and between

Linda K. Paul and Robert D. Paul. wife and husband whose mailing address is

71.1 Harvest Ct. McPherson. XS 67460, hereingher called lessor (whether one or more), and

. HOP Energies. LLC. PO Box 47911. Wichita. KS 67201 ... horeinafter called lesses.

Lessor, in consideration of Ten Dollars (\$ 10.00) in hand paid, receipt of which is hareby acknowledged and of the royalties herein provided and of the agreements of the lesses herein contained, hereby grants, leases and lets exclusively unto lesses for the purpose of investigating, exploring by geophysical and other means, other fluids and all infing, minibag and opending of a potoing oi, hound hydrowarbous, all geses, and their respective conscinent products, injecting gas, water, other fluids and all into subsurface strata, hydro gripe lines, storing oi, building tanks, power stations, telepione lines, and other structures and other structures and other produce, save, take care of, treat, manufacture, process, storing oi, building tanks, power stations, telepione lines, and other structures and other produce, save, take care of, treat, manufacture, process, store and manyoris, proses, the following described land, together with any reversionary rights and other produces therefron, and housing and observes caring for its employees, the following described land, together with any reversionary rights and after excluted interest, therein situated in the County of <u>Graftagin</u>. State of <u>Kansass</u>, described as follows, to wit: , î

Township 8 South, <u>Range 24 West</u> Section 1: W/2W/2 Section 2: E/2E/2

- In Section XX. Township, XX. Range, XX. and containing 320.00 Acres, more or less, and all accretions thereto. Subject to the provisions herein contained, this lease shall remain in force for a term of Two (2), years from this date (called "primary term"), and as long as thereafter as oil, liquid hydrocarbons or gas or other respective constituent products, or any form of them is produced from said land or hand with which said hand e N
- m.
- in pooles, any equation of these premises lesses constants and agrees:

 To deliver to the redit of issues, free of cost, in the pipeline to which lesses may connect wells on said lard, the equal one-sighth (1/8) part of all oil provider and as set of from the lessed of the premises, or used in the manufacture of any products therefrom, one-sighth (1/8), at the manufacture of any products the redit of lessed from the lessed from the lessed of the premises, or used in the manufacture of any products therefrom, one-sighth (1/8), at the manufacture of any products the well. (but, as the gas sold by lessed, in to event more than one-sighth (1/8), of the proceeds received by lessed from and and given the manufacture of any products the approach to be made monthly. Where gas from a well producing gas only is not sold or used, lessen my avoid the premises, or manufacture of produces therefrom, one-sighth (1/8) of the proceeds received by lessed from the read of the premises to a made monthly. Where gas from a well producing gas only is not sold or used, lessen my avoid the gas of the premises of the premeasing the read of the premises, or in the read of the gas of the proceed in the manufacture of any is not sold or used, lessen may be mainterined during the primary tran here are without further payment to the proceed in the manufacture of any is not sold or used, lessen may avoid or tank or tank
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- vi.
- if said lessor owns a less interest in the above described hand than the entire and undivided fee simple estate therein, then the royalties herein provided for shall be paid to lessor only in the proportion which lessor's interest bears to the whole and mdivided fee. Lesses shall have the right to use, free of cost, gas, oil and water produced on the teased premises for lesser's operations thercon, except water from wells of υć

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- When requested by the lesson, lesses shall bury lesser's piprimes below plow depth. When requested by the lesson, lesses shall bury lesser's piprimes below plow depth. No well shull be chilled neurce than 200 fact to a house or harm now on suid pramises without the written consent of the lessor. Lesses shall have the afpit at angre, neured by lesser's operations to growing crops on said land. Lesses shall have the afpit at angre, neuroweal lanchingry and factures placed on said land. Lesses shall have the afpit at angre, neuroweal lanchingry and factures placed on said than. Lesses shall have the afpit at angre, neuroweal lanchingry and factures placed on said than. Lesses shall have the afpit at angre, neuroweal lanchingry and factures placed on said than the second said the privilege of easignment of a neuroweal shall have the statis or royathics shall extend to its heirs executors, administrations, successors or assigns, but no change in the ownership of the lands or assignment of rentals or royathics shall be binding on lessor executors, administrations, successors or assignad portion or sportions are hore only thereof. In case lesses assigns that prove described premises and Lessee may at any three excents and daiver to lessor or place of record at Nate State Laws, Executive Orders, Rules or Regulations, and this lesses shall be relieved of all oblightons with respect to the satisfor at additions and be raineved of call oblightons as to the sargement. Lessee may at any three excents and daiver to lessor or place of record at Atter Laws, Executive Orders, Rules or Regulations, and the brain of the anade and the more of the lands or the sargement. Lessee may at any three excents and daiver to lessor or place of record at Atter Laws, Executive Orders, Rules or Regulation, and this lesses shall be thereby surrender this lasts as to sub proton or portions and be raineved of all oblightons as to the sargement. Lessee may at any three excents and graves or hange for all pectral and State Laws, Executive Orders, R
 - Lesses, it is option, is hereby given the right and power to pool or combine the acreage covered by this lease or any portion thereof with other lard, lease or Lesses, in the immediate vicinity thereof, when in lesser's judgment it, is noves any or advisable to do so in order to properly develop and operate said lease tenses in the immediate vicinity thereof, when in lesser's judgment it, is noves any or advisable to do so in order to properly develop and operate statil lase tenses to are another and to be into a unit or mine not interable in and under and that may be produced from said premises, such pooling to be of bacts contiguous to one another and to be into a unit or mine not meanable in the event of a gas well. Tesser shall cover and in the event of a gas well. Lesser shall coverage. The online at coolding to be of the county in which the land herein lesser is situated an instrument identifying and describing the pooled acreage. The online starts covered by this lease, whether the well or wells the located on the pooled acreage. If production is found this lease, whether the well or wells to located on the portion is found on the pooled acreage. If production is that from this lease, under the variate pooled on the portion of the royal the rest of the royal the royal the rest in specified, lessor island to an accesse basis before a wells access or pooled in the tester of the royal the royal the rest of the royal the royal the rest of the royal the royal the rest of the royal the royal theorem to this input of the royal the rest of and the pooled only such portion of the royal therein as the amound of the royal the rest is specified, lessor information and acreage to be acreage to pooled only such portion of the particular therein as the amound of the royal the runt of his invuly information and acreage basis bears to the to be corted or in the particular therein as the amound of this average placed in the indit of his invuly inforest ther ŝ

IN WITNESS WHEREOR, the madersigned execute this instrument as of the day and year first writeen above. Witnesses:

No. Linde K. Paul

Tax ID#

HOTARY FUBLIC SPACE OF MAILE

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Robert D. Paul Tax ID/#

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Rev.
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63 U (Rev. 1993, ATH 12/2006)	•	<u>Kansas</u> (McPherson) as: Acknowledgment for Individual (KS, OK, CC)
53 U (Rev. 199		STATE of	COUNTY of

Before me, the undersigned, a Notary Public, within and for said County and Sune, on this λ'/μ' day of <u>January, 2011</u>, personelly appear Landa K. Paul and Robert D. Paul, wife and husband, to me personally known to be the identical person(s) who executed the within floregoing instrument and acknowledged to me that <u>they</u> executed the same as <u>their</u> free and volumtary act(s) and deed(s) for the uses and purposes therein set fort N MATRICES ANDESCON 1.

in WILIVESS WHEKEUF, I have herewolo set my hand and official seal the day and year last above written. ission expires A MURRY FUBLICSARE of Kanses Carthy Schmidt C

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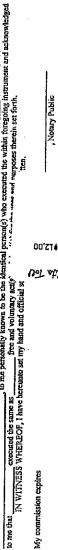
ocared fedged free and voluminy act(s) and drot(s) for the uses and purpose therein set forth. my hand and official scal the day and year last above written. My commission expires

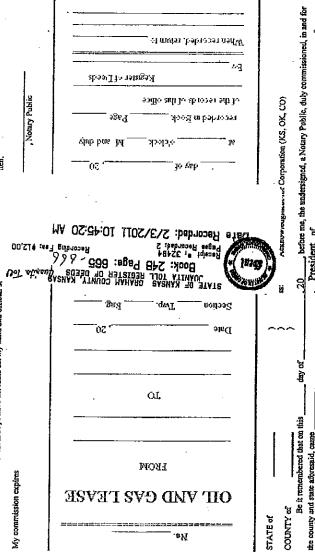
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crcin set forth Executed the same as free and volumbry act(s) and deed(s) for the uses and purposes IN WITNESS WHEREOF, I have bereutito set my hand and official seal the day and year last above written.

My commission expires

				- Allora - Compact
STATE of		~~	1	
COUNTY of				Autowicogenetit for Individual (K.S., OK., CO)
Befor	re me, the undersigned, a Notary	Public, within and for said	d County an	Before me, the undersigned, a Notary Public, within and for said County and State, on this day of personally appeared
to me that	executed the same as	D INC PERSONALLY RUCHER IN THE AND VOLUME CUDIO SET INV hand and off	ury act(° Tickel er	Concerned the summary of the properties of the properties of the standard personal with the extended the summary and the summa





Personally known to me to be such officer, and to be the same person who executed as such officer d d duly acknowledged the execution of the same for self and for self corporation for before me, the undersigned, a Notary Public, duly commissioned, in and for corporation of the State of <u>personality frown in me to be such office</u> the foregoing instrument of writing in behalf of said corporation, and <u>duly acknowledged</u> the execu-the uses and purposes therein set forth. IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above written. resident 2 day of the county and state afforesaid, came corporation of the State of

My commission copires

OIL AND GAS LEASE

ACREEMENT, made and entered into this <u>511</u>, day of <u>January, 2011</u>, by and between

Chervi Christine Pitts (Bk/2 Chervi Christine Paul a/k/2 Chris Paul) and Ralph Pitts, her husband whose meiling eddress is

22618 Air Park Drive, Golden, MO 65658, hereinafter called lessor (whether one or more), and

HOP Energies, LLC, PO Box 47911, Wichita, KS 67201 ... hereinafter called lessee.

....

Lesson, in consideration of Ten Dollars (S 10.00) in hand paid, receipt of which is hereby acknowledged and of the royalties harein provided and of the sgreennears of the lesses herein contained, hereby grants, lesses and less exclusively unto lessee for the purpose of investighting, arriving to prophysical and other means, prospecting, drilling, mining and operating for and prodocing oil, liquid hydrocarbons, all gases, and their respective constituent producer, injoining of any water, protoner fluids and air into subsurface attrant, hydrog pines, storing oil, bignid hydrocarbons, gases and their respective constituent producer, injoining and other producer stars, and interest, there and another and margoer said oil, liquid hydrocarbons, gases and their respective constituent products and ofher producers mouther and therewises store and margoer said oil, liquid hydrocarbons, gases and their respective constituent products and ofher producers multification of therewise, store and margoer said oil, liquid hydrocarbons, gases and their respective constituent products and ofher producers manufacture, process, store and margoer said oil, liquid hydrocarbons, gases and their respective constituent products and ofher producers manufacture process, store and margoer said oil, liquid hydrocarbons, gases and their respective constituent products and ofher products multificated thereford, and housing and otherwise caring for its carployees, the Dilowing described land, together with any reversionary rights and after-acquired interest, therein situated in the County of <u>Graham</u>, Stare of <u>Kan stas</u> described as follows, to wit.

<u>Township 8 South, Range 24 West</u> Section 1: W/2W/2 Section 2: E/2E/2

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- In Section XX. Township XX. Range XX. and containing 320.00. Acres, more or less, and all accretions thereto.
 Subject to the provisions herein contained, this lease shall remain in force for a turn of <u>Two (2)</u>. years from this decided from said land thereafter as oil, liquid hydrocarbots or gas or other respective constituent products, or any form of them is produced from said land, the total or hand with which said land.
 In consideration of these premises lesse covenants and agrees.
 a. To deliver to the credit of flasser, free of cost, in the pipeline to which lesses may connect wells on said land, the equal one-eighth (1/3) part of all oil nonsideration of these premises, or used oil to manufacture of any produced structure of any produced and surved from the lessed premises.
 b. To pay lessor the well, they are of cost, in the pipeline to which lesses may connect wells on said land, the equal one-eighth (1/3) part of all oil on a well preduced and surved from the lessed premises.
 b. To pay lessor the part of flasser, free of cost, in the pipeline to which lesses may connect wells on said part, the reader prevertive the cost of the premises.
 b. To pay lessor the provide and and of the premises.
 b. To pay lessor the previse static manufacture of any produced the reader proceed the premises.
 c) the same first of the preversion of the premises.
 f) the lesse shall remained the premises of the premises.
 f) the lesse shall comments of a suddle preversion of produced therein the reader proce of the premises.
 f) the lesse shall construct further payment of produced therein the first payment are retained from a well work to the premises.
 f) the lesse and prove the mather payment or the produced that gas is being produced within the remaing of the premises from the term of the prever per net mineral accertained from the term of the lesse shall have the right to dall such well to completed within the rema
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- years first mentioned. If staid lessor owns a less interest in the above described land than the entire and undivided foe simple estate therein, then the royalities herein provided for shall be add to lessor only in the proportion which lessor's interest bears to the whole and undivided fae. Lessee shall have the right to use, free of cost, gas, oil and water produced on the leased premises for lessee's operations thereon, excupt water from wells of Lessee shall have the right to use, free of cost, gas, oil and water produced on the leased premises for lessee's operations thereon, excupt water from wells of
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- When requested by the lesser, lesser shall bury lesser's prioriting below plow depth. When requested by the lesser, lesser shall bury lesser's prioriting below plow depth. No well shall be chilled neuter than 200 fact to a bouse or ham now on suit primises, including the right to draw and remove casing. Lesser shall have the right at any time to remove all machinery proves on said prind. Lessers shall have the right at any time to remove all machinery prints proved on said prind. Lessers shall have the right at any time to remove all machinery prints prints on the remove casing. If the estate of cluber party hereto is assigned and the privilege of assigning in whole or in part is expressly allowed, the covenants hereof shall extend to its herits executors, administration, reaccessons or assigns, but no change in the ownership of the lands or assignment of remails or nyalible shall be biodrag on lasse unil relieved of all obligations with respect to the assigned portion or portions and prints placed is assignment of remails or nyalible shall be biodrag on lasse the hereory summated, in whole or in part, to rescore and states or recent at a lesser and state the lesses that lesser shall be anylor to all features down in the extensions of the above described pramises and All express or implied covernants of this lesse that its tany time to non-provident or the case state the lasses are non-provident or rescented and State the laws. Executive Ordens, Reles or Regulations, and this lesse shall no be eary state this lesse that is expressed or all obligations as to the active and that the best have the right at any time to require the cases of the appress or implied covernants of this lesse that the lessen described, and therewish are cover and homestead the express or implied covernants of referse the tibe the state described, and strengt is resort, and there are thereby surrender. Lesser metry mortgages that the lesson, and express that the lesson, and be subregated to the rights of those of a cypertent any mortgages 5
 - Lesses, at its option, is hereby given the right and power to pool or combine the acreage covered by this lease or any portion thereof with other land, lease the infinite vicinity thereof, when in lease's judgment it is necessary or advisable to do so in order to properly divelop and operate said lease there is no a so to promote the conservation of oil, go to or the produced from suid premises, such pooling to be of traces are the entry to a sort the normal set or and constant set or any sortion thereof with other land, lease compared so to one another and to be into a unit or units to constrain and and a suff or the event of a go and will or into a unit or units not exceeding 640 acres each in the event of a gas well. Lesses shall concile in voltage at the onney into entit of an into a unit or units not exceeding 640 acres each in the event of a gas well. Lesses shall concile in and theorem theorem the onney that the recent of a gas well. Lesses shall concile in the event of a gas well. Lesses shall concile in the event exceeding 640 acres each in the onney protocord of the topologing to be located in the event of a gas well. Lesses shall concile in the states of the county in which the land herein leases is shared an royalities on production is found in the pool of a states, whether the well or wells be located on the probled in the states, if production is found in the pool of acres and from this lease, if production is found in the lease of the counties from a unit so pooled only such portion of the travely stipulated herein as the normal the event of a partoses even the normal state of any such the premises or not. In lieu of the royalies charded a rise that from this lease, whether the well or wells be located on the probled in the found is found in the pooled acres and for the provision is found in the provision for the state and or the probled acres is a stated to had from this lease, whether the well or wells be located on the probled in the towalise stated to the royalities of probledio is found on t

IN WITNESS WHEREOF, the undersigned execute this instrument as of the day and year first written above. Wincesses:

A 22 1.7 Cheryl Christine Pitts 6 ÷ ••• Tax 10 # ę.

Ralph Pitts

Tax ID #

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Acknowledgment for Individual (K.S. O.K. CO) has, on this <u>A A any</u> of <u>January 2011</u> personally appeared <u>0 and Relph Pitts her husband</u> to me personally known to br the e that <u>they</u> excented the same as <u>their</u> free and voluntary act(s) and by and year last above written. Y and year last above written. Brittany L.M.Mizer Wohn Fublic	cf My Commission Expires 6/6/2013 cf Commission (103813211) cf Commission (103813211) cf Commission (103813211) Before me, the undersigned, a Notary Public, within and for said County and State, on this day of metal (1000) day of metal (1000) Before me, the undersigned, a Notary Public, within and for said County and State, on this day of metal (1000) day of metal (1000) MWITNESS WHEREOR, I have kneume set my hand and official seal the day and year last above written. .Notarry Public, Index of the last above written.) set Androwledgment for Individual (K.S. O.K. CO) tithin and for said County and State, on this day of the within foregoing instrument and acknowledged for any act(s) and dead(s) for the uses and purposes therein set forth. my hand and official seal the day and year last above written.	of) ss Acknowledgment for ladividual (KS, OK, CO) Before me, the undersigned, a Notary Public, within and for said County and State, on this day of pressonally appeared Before me, the undersigned, a Notary Public, within and for said County and State, on this day of pressonally appeared IN WITNESS WHEREOF, I have berevalor set my hand and official seal the day and year last above written. Notary Fublic Notary Fublic	ato'rlockM and duly recorded a BookNage ritie records of this office Mites recorded, return to Zw	lion (KS, OK, CO) Notary Public, duly commissioned, in and for
) ss: Aeknowledgment for Indi virbin and for said County and Start, on this <u>A A</u> du stime Paul a/k/a Chris Paulh and Relph Pitts. I matument and achrowledged to me that <u>they</u> excorted to set my hand and official seal the day and year last above wi set my hand and official seal the day and year last above wi and the first the seal the day and the set and the set and Mortary Seeal <u>B</u> rittany antrony Seeal <u>Artic</u>	pires 6/8/2013 0.3613211 ss: Acknowledgraman fo 1 ss: Acknowledgraman fo 4thin and for said County and State, on this controly known to be the identical person(s) who exec free and voluntary act(s) and decd(s) for the uses a free and voluntary act(s) and decd(s) for the uses a free and voluntary act(s) and decd(s) for the uses a free and voluntary act(s) and decd(s) for the uses a) ss: Acknowledgment for Individu) st: Acknowledgment for Individu) tundersigned, a Notary Public, within and for said County and Statr, on this day of a coccurred the same as WHEREOF, I have herewito set my hand and voluntary act(s) and dead(s) for the uses and purpos WHEREOF, I have herewito set my hand and official seal the day and year last above written) sst Acknowledgment for) sst Acknowledgment for) within and for said County and State, on this de essonally known to be the identical person(s) who exec free and volummary act(s) and deed(s) for the uses an et my hand and official seal the day and year last abow	Date20 Date20 SectionTwpKng. Book: 248 Page: 667 - 6/ 8 Recorded: 2/3/2011 10:45.21 AM Recorded: 2/3/2011 10:45.21 AM Recorded: 2/3/2011 10:45.21 AM Recorded: 2/3/2011 10:45.21 AM	
STATE of <u>Missouri</u> STATE of <u>Missouri</u> COUNTY of <u>ACUT LU</u> Before me, the indentigmed, a Nonary Public, within and for said County and Start, on this <u>AC</u> day of <u>Jammary</u> <u>Cherryl Christine Pitts (TURA Cherryl Christine Paul a Acta Christ Paul 1 and Rath, on this <u>AC</u> day of <u>Jammary</u> <u>Cherryl Christine Pitts (TURA Cherryl Christine Paul a Acta Christ Paul 1 and Rath, on this <u>AC</u> day of <u>Jammary</u> <u>Cherryl Christine Pitts (TURA Cherryl Christine Paul a Acta Christ Paul 1 and Rath, on this <u>AC</u> day of <u>Jammary</u> <u>Cherryl Christine Pitts (TURA Cherryl Christine Paul a Acta Christ Paul 1 and Rath, on this <u>AC</u> day of <u>Jammary</u> <u>identical permon(s)</u> who exceeded the within forcionic is and actnowledged to me that <u>they</u> excented the same as <u>their</u> <u>identical permon(s)</u> who exceeded the within forcionic is and actnowledged to me that <u>they</u> excented the same as <u>their</u> <u>identical permon(s)</u> who exceeded the within forcionic is and actnowledged to me that <u>they</u> excented the same as <u>their</u> <u>identical permon(s)</u> who exceeded the within forcionic is and actnowledged to me that <u>they</u> excented the same as <u>their</u> <u>identical permon(s)</u> <u>Brit Trany</u> <u>I. Mitzer</u> <u>STATE OF MISSOURI</u> <u>STATE OF MISSOURI</u> <u>Brit ttany</u> <u>I. Mitzer</u> <u>STATE OF MISSOURI</u></u></u></u></u>	STATE of My Commission Expires 6/8/ COUNTY of COUNTY of Before me, the undersigned, a Notary Public, within and for Before me, the undersigned, a Notary Public, within and for to me that the undersigned, a Notary Public, within and for more that NWTNESS WHEREOP, I have bereundo set my hand and My commission expires	STATE of COUNTY of Before me, the undersigned, a Notary Public, w lo me that counce as to me parts for wHEREOF, it have hereunto set: My commission expires	STATE of COUNTY of Before me, the undersigned, a Notary Public, wi before me, the undersigned, a Notary Public, wi to me trait to me prove the sume as in write REOF, i have hereunto set i My commission expires	OIL AND GAS LEASE	STATE of COUNTY of Be it temembered that on this day of the county and state aforeastic, came

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OIL AND GAS LEASE

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AGREEMENT, made and entered into this <u>5th</u> day of <u>January, 2011</u>, by and between

<u>Paul Holloway and Grace Holloway, husband and wife whos mailing address is</u>

1309 Comanche, McPherson, KS 67460, hereinafter called lessor (whether one or more), and

HOP Energies, LLC. PO Box 47911, Wichita, KS 67201 hereinafter called lessee.

Lessor, in consideration of Ten Dollars (§ 10.00) in hand paid, receipt of which is hereby acknowledged and of the ny-alties herein provided and of the synements of the transmission of the synemetry grants, hereby grants, instead and of the synemetry of the investigating action to the synemetry prospecting. dilling, mining and operating for and producing on, liquid hydroarbons, all gases, and their respective constituent produces, piperimes, verter, prospecting gas, water, prospecting, dilling, mining and operating for and producing gas, water, prospecting, dilling, mining and operating for and producing gas, water, prospecting, dilling, mining and and respective constituent produces, injecting gas, water, produce, sure, take and art into subarface strate, sping pipe lines, storing only, building tasks, power stations, telephone lines, and other structures and lines, there on the produce, sure, take care of treat, manufacture, process, store and transport said on, liquid hydroarbons, gases and their respective constituent produces, and other structures and other structures and other vectors and other vectors and otherwise caring for its care of treat, manufacture, process, store and transport said on, liquid hydroarbons, gases and their respective constituent produces and other vision and otherwise caring for its care of the structures and otherwise caring for its care of the structures and otherwise caring for its care of the structures and otherwise caring for its care of the structures and otherwise caring for its care of the structures and otherwise caring for the hole otherwise caring for its care of the structures and otherwise caring for its care of the structures and the structures and otherwise caring for its care of the structures and otherwise caring for the structures and the structures and otherwise caring for the structures and otherwise caring for the structures and otherwise care of the structures and otherwise caring for the structures and otherwise caring for the structures and otherwise carin afler-acquired interest, therein situated in the County of Graham . State of Kansas, described as follows, to wir

<u>Township & South, Range 24 West</u> Section 1: W/2W/2 Section 2: E/2E/2

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- In Section <u>XX</u> Township <u>XX</u> maye <u>XX</u> and containing <u>320,000</u> Acres, more or less, and all accretions thereto. Subject to the provisions herein contained, this lease shall remain in force far a term of <u>Two (Z)</u>, years from this date (called "primary lorm"), and us long as thereachers as only figuid hydrocarbons or gas or other respective constituent products, or any form of them is produced from said land, the equal one-eighth (1/8) part of all or land with which said land. To consideration of these premises lessen covenants and agrees. In onsideration of these premises lessen covenants and agrees. In To deliver to the created or lesson, the of cost, in the priorities to which lesses may connect wells on said hand, the equal one-eighth (1/8) part of all or land with which said land. Doduced and saved from the leased premises. In To deliver to the created or lesson, these of cost, in the priorities to which lesses may connect wells on said hand, the equal one-eighth (1/8) part of all or land with which said land the acceleration of lessen, the ordical and saved from the leased premises. In To deliver to the created ordination of them are of produced the premises, or used in the manufacture of any produced there are obtained and such as well produced there are sold or used. Jessee from the manufacture of any produced there are obtained and the manufacture of any products therefrom, from such sales), for the gas sold, used of the manufacture of produce therethy and it such promoting area of the manufacture of any produced therethy. There gas from the produced and the section of the section and well or or excit and be considered with the nearbort and the manufacture of any lessen from the reacted or used. Jessee, may provide therether an investigation (1/8), at the manufacture or any iterm of this lesses than the ordinate gas of the preceding paragraph. This lease may be maintained during the primary term before and disputch, and it on one there of the lessee thall have the right to drill sord well to
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- ears first mationed. Fast lessor owns a less interast in the above described land than the carity and undivided fee simple estate therein, then the royalises herein provided for shall be aid to lessor only in the proportion which lessor's interest bears to the whole and undivided fee. Assee shall have the right to use, free of cost, gas, oil and water produced on the leased premises for lessee's operations thereon, except water from wells of paid to less vi
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- We necessful you have the search shall bury lesser's pipelines below plow depth. We necessful you of alcounter than 200 feet to a louse or hum now on said promises without the written consent of the lessor. Lesses shall put of alcountes cancers all machinery and fixtures placed on said prantises, including the right to draw and remove easing. Lesses shall put the the right at any time to remove all machinery and fixtures placed on said prantises, including the right to draw and remove easing. Lesses shall put the the right at any time to remove all machinery and fixtures placed on said prantises, including the right to draw and remove easing. If the estate of either party hereto is assigned and the privitege in whole or in part is expressly allowed, the coveranants heredo fixal estand to its herics eccentors, annihistandra, necessors or assigned, but no change in the ownership of the lands or assignment of rental or mytifting on lasse until relieved of all obligations with respect to its assigned portion or signment or a treate some easing. All copress are implied coverants and debrier to lessor or place of record a release coverting any portion or portions of the above described premises and All copress are reach portion or portions and be relieved of all obligations as the accession and State lesses. Band the right at any time to redeen the reaso thereby surrender this lesses thall be rubied in the observed on all described, and exceeding the right at any time to redeen the any state the index of the lessor and described lands, in the event of default for provement by a more ablorged to the rights at any time to redeen the lessor thereby surrender with supress to default to the lands herein described, and exceeds and all extender of the option of the relieved of all obligations and be relieved of all obligations are accessed any state the lesses that at any time of record a release or release correlage any portion or portions of the relieved of the owned are relined to overants and debrien desored the relieve Ľ.
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 - Lesse, at its option, is hereby given the right and power to pool or combine the acreage covered by this lease or any portion fiercof with other land, lease or leases in the immediate vicinity thereof, when in lease v5 judgment it is necessary or advisable to do so in order to properly develop and operate said lease leases in the immediate vicinity thereof, when in lease v5 judgment if is necessary or advisable to do so in order to properly develop and operate said lease or properly the conservation of oil, gas or other minents in and under and that may be produced from suit premises, such pooling to be of mater configurate to one another and to be into a unit or units not exceeding 40 acres acts in the owner of an oil will, or into a unit or units not exceeding 640 acres acts in the owner of an oil will, or into a unit or units not exceeding 640 acres acts in the event of a gas well. Lesses shall excerde in this fearse. The control of the courcy in which the land therein leases is sturted an royatines on production from the pooled unit, as if it and trancal in the cover of the out will shall be treated for all purposes exceept the partner of had from this lease, whether the well or wells be located on the protein is feared on the pooled acreage, it shall be treated as if groutchon is shall free/ive on production from a unit so pooled only such portion of the royalive allowners horein specified, lessor interest therein on an average basis bears to the total acreage so pooled in the practical acreade. It is no such as the amount of his average the unit on his oryal acreades in the royal the royal acreade in the started as the from this lease, whether the well or wells be located on the portion is found on the pooled acreage, it is and be total acreage in the average to a started as if production is shall reasive on an average basis bears to the total acreage to portion of the royalist and the average of the unit on his oryal to a protect on in souted on the protect acreage. If an average there main av

N WTTNESS WHEREOF, the undersigned excents this instrument as of the day and year first written above. Witnesses:

Paul Hollow

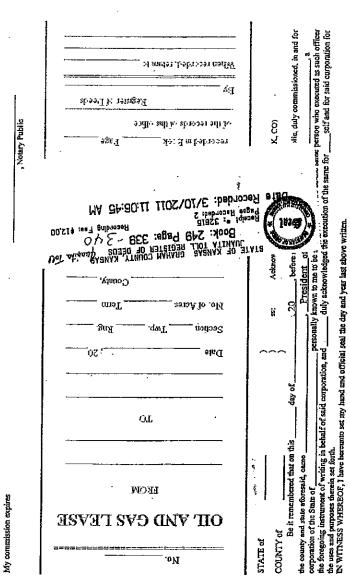
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STATE of <u>Kansas</u> COUNTY of <u>McPherson</u> Before me, the undersigned, a Nonry Public, whith and for said County and Stan, on this <u>Actinowical manual</u> (K.S. OK. CO) Before me, the undersigned, a Nonry Public, whith and for said County and Stan, on this <u>Actinowical manual</u> and or <u>Misterstr. 2011</u> personally appeared <u>Peral Hollowray and Grace Hollowray husband and wife</u> , to me personally known to be iternical person(s) who executed the within foregoing instrument and acknowledged to me that <u>they</u> excented the same as <u>their</u> free and volumery ext(s) any discuss the relativest in the topologe withon IN WITNESS WHEREOR, I have knewno set my hand and official seal the day and year hart approver withon My commission expires <u>Manual</u> <u>Manual Manual</u> <u>Manual Manual</u> (K.S. OK. CO) My commission expires <u>Manual</u> <u>Manual Manual</u> <u>Manual Manual</u> <u>Manual</u> <u></u>	se: Acknowledgroont for Individual (KS, OK, CD) y Public, within and for said County and Stare, on this day of day of the present of the the identical person(s) who executed the within foregoing instrument and acknowlodged to me personally hown to be the identical person(s) who executed the within foregoing instrument and acknowlodged to me personally hown to be the identical person(s) who executed the within foregoing instrument and acknowledged the rectation of the person of the the uses and purposes there in set for the uses and purposes there in set for the use and voluminty act(s) and ded(s) for the uses and purposes there in set for the use and purposes there in set for the use and purposes there in set for the use and purposes there in set and voluminty act(s) and ded(s) for the uses and purposes there in set for the use and purpose there in set for the use and purposes there in set for the use and purpose there in the the use and purpose there in the the use and purpose there in the the use and purpose there in the use and purpose the u) ss: Acknowledgment for Individual (KS, OK, CU) y Public, within and for said County and State, on this day of personally appeared provided in the personally appeared for the uses and purposes therein set forth. It me personally function to be the identical persons) who executed the within foregoing instrument and acknowledged for the uses and purposes therein set forth.
STATE of Kansas) ss Acknowledgment for Individual (COUNTY of McPherson) ss Acknowledgment for Individual (Before me, the undersigned, a Notary Public, within and for said County and Star, on this AC day of Paul Holloway and Grace Holloway, husband and wife, u me personally known to be tidentical person instrument and acknowledged to me that <u>they</u> eccented the same as <u>their</u> free and voluntary act(s) and deed(s) for NVITNIESS WHEREOS, I have knewnto set my hand and official seal the day and year har appove writean. My commission expires KAY OFARY PUBLIC KAY GRAMAM	STATE of	STATE of STATE of State of State of State of State of Tadivida State of State of State of State of the stateo



Before me, the undersigned, a Notary Public, within and for said Coanty and State, on this day of bersonally upresented in the personally known to be the identical person(s) who executed the within foregoing instrument and acknowledged executed the same as from the same as free and voluntary act(s) and deed(s) for the uses and purposes therein set forth. IN WITNESS WEIGEREDE, I have becomes to my hand and official scale the day and year last above written.

Before me, the undersigned, a Notary Public, to me pe

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COUNTY of STATE of

Acknowledgment for Individual (KS, OK, CO)

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## OIL AND CAS LEASE

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## **OIL AND GAS LEASE**

AGREEMENT, mude and entraved into this <u>5th</u> day of <u>January, 2011</u>, by and between

<u>Marzeret Elizebeth Gould and S. Jav Gould, wife and husband</u> whose maiing address is

.55.10 Magnolia, Whittler, CA 90601, hereinafter called lessor (whether one or more), and

HOP Energies, LLC, PO Box 47911, Wichita, KS 67201 hervinather called lessee.

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Lessor, in consideration of Ten Dollars (§ 10.00) in hand paid, receipt of which is hareby acknowledged and of the royaltics herein provided and of the agreements of the lesses herein contained, hereby grants, leases and less entropied of the royaltics benein provided and of the agreements prospecting, drilling, hubing and operating for and producing oil, liquid by drocarboss, and so graves, and or the respective constituent provided and of the agreements prospecting, drilling, hubing and operating for and producing oil, liquid by and splates, and the respective constituent products, lighting there are and produce, awe, take are of the analyzed pipe lines, storing oil, building tanks, power stations, larges and their respective constituent products, lingting there are produced, such the area and things thereon to produce, awe, take area of the antifesture, process, store and imarport said oil, liquid lydrocarboss, gases and their respective constituent products and of produces areas, therefront, and housing and otherwise carrie for its temployees, the following described in the respective constituent products and other after-exquired interest, therein situated in the County of <u>Grathagin</u>. State of <u>K-arses</u>, described as follows, to wit:

<u>Township 8 South, Range 24 West</u> Section 1: W/ZW/2 Section 2: E/2E/2

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- In Section XX Township XX Range XX and containing 320.00. Acres, more or less, and all accretions thereto. Subject to the provisions herein contained, this lease shall remain in force for a turn of <u>there (3)</u> years from this date (called "primary term"), and as long as thereafter as oil, liquid involvementors or gas or other respective constituent products or any form of them is produced from said land or land with which said land eri
- To deliver to the credit of lessor, free of cost, in the pipeline to which lessoe may connect wells on said land, the equal ons-cighth (1/8) part of all oil consideration of these premises lessee coverants and agrees:

  To deliver to the credit of lessor, free of cost, in the pipeline to which lessoe may connect wells on said land, the equal ons-cighth (1/8) part of all oil produced and saved from the accedit of lessors, free of cost, in the produced and sold or used off the premises, or used in the manufacture of any produces therefrom, one-cighth (1/8), all the marketure of any produces therefrom, and produced and sold or used off the premises, or used in the manufacture of any produces therefrom, and produced set ages only lesser, in no overit more than one-cighth (1/8), all the marketure or fund to marketure of produced and sold by lesser, in no overit more than one-cighth (1/8), and for marketure of market price at the well, (but, as the gas odd by lesser, in no overit more than one-cighth (1/8) of the proceedis received by lesser from a well produced by lesser from a well produced by lesser, and if such payments to be market price at the well, (but, as the gas odd by lesser, in no overit more than one-cighth (1/8) of the proceedis received by lesser from a well produced wells gas add by lesser, and if such payment or trander it made it will be confered of the premises, or in the manufacture of produced while the marketure of and it is the neurom of this lesse or any extension thereof, the lesser shall have the reliming ext, or other of them, he found in paying quantities, this lesse shall have the entit in starts the lesser shall continue and be in force with like effects of from the reason of drill a well while the more of them, he found in paying quantities, this less shall continue and be in force with like effects of from the reason of drill a well while the more of them, he found in paying quantities, the lesser shall continue and be in force with like effects at freach, there the pro
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  - Lesse, at its option, is hereby given the right and power to pool or combine the acreage covered by this lease or may portion thereof with other land, lease or leases in the immediate vicinity thereof, when in lesses 5 judgment it is necessary or advisable to do so in order to properly develop and operate said lease compares and to be into a unit or units not exceeding 40 acres each in the event of an of the control of the context in the interests in and under and in the produced from said premises, such positing to be of mass in the event of a gas well. Lesses a hull eccording 640 acres each in the event of an of the county in which the Inter Acreshing 640 acres each in the event of an oil well, or into a unit or units not exceeding 640 acres each in the event of a gas well. Lesses a hull eccording 640 acres each in the event of a gas well. Lesses a hull eccorde in the acresses to pooled and the related an evolution from from from the pooled acresses. The entire acreage to pooled into a test of the county in which the Inter Acre and the relation and event in state acresses in the event of a gas well. Lesses a hull eccorde in the lesse. The entire acreage to pooled into a test of the county in which the Inter Acresses is alturated in the lesse. The entire acreage to pooled acresses, it shall be treated, for all autpoose succerd the payment of the for this lesse, the which the hull or wells be located on the premises or not. In lisu of the arrowhere herein specified, lesson thad from this lesse to production is found on a the pooled acresses to provide on the acresse is the accelerated and from the receive on the pooled only such portion of the royally store to well be located on the premises or not. In lisu of the arrowhere herein specified, lesson that from the lesse to the pooled acresse so pooled only such portion of the royally store to acresse being to a store the acceding found to a test operation and the acceding found to a test operation of the royally store to acceding the acceding to acceding the rowa 2

S. Jay Goyd IN WITNESS WHEREOF, the undersigned execute this instrument as of the day and year first write, Witnesses: Mangareth X / Clander on Margaret Englech Gould

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## **OIL AND GAS LEASE**

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# HOP Ensures LLC. PO.Dex 47241, Whenly, NS 67201.

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ATTAN WARRENT FOR Lenar, in consideration of Tee (Defant () 10.00) in head puid, receipt of which it hereby actives is four-of the known hereby contributed, hereby gauge, kinets and here exclusively canno from the perpense of invest propering, define, material contributed for and produced at linked tytebourderse, all gauge, and there are over fired and all the antipation structure, process, there are are actively the total and a total provideret, and, take care of a contribution, priority, the article putting, totals, from an antibuted, priori provideret, and, take care of a cost, manufacturet, process, there are article for the endoted putting provideret, and, take care of a cost, manufacturet, process, there are are for the endoted putting to the provideret and the active of a cost, manufacturet, process, there are are for the endoted putting to the provideret and the endoted for the formula (a) (6) if [13, [10, 10, 10]). Kaithiets, the following date the endoted barryet, for the formed in the formity of (6) if [13, 10, 10, 10].

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