

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
1/29/2014

API No. 15
007-23438 -0000

Company Hart Energies, LLC		Lease Tucker		Well Number #1	
County Barber	Location SE NE	Section 1	TWP 34S	RNG (E/W) 10W	Acres Attributed 320
Field Salty Creek		Reservoir Miss & Maquoketa		Gas Gathering Connection Lumen-WWGG	
Completion Date 5/22/2011		Plug Back Total Depth 4955		Packer Set at	
Casing Size 5.5"	Weight	Internal Diameter	Set at 4955	Perforations 4540-4563 &	To 4883-4899
Tubing Size 2 7/8"	Weight	Internal Diameter	Set at 4899	Perforations	To
Type Completion (Describe) dual- Miss & Maquoketa		Type Fluid Production oil / sw		Pump Unit or Traveling Plunger? Yes / No PU	
Producing Thru (Annulus / Tubing) both		% Carbon Dioxide		% Nitrogen Gas Gravity - G _g	
Vertical Depth(H)		Pressure Taps flange		(Meter Run) (Prover) Size	
Pressure Buildup: Shut in 1/20/14		20 at 3 pm		(AM) (PM) Taken 1/29/14	
Well on Line: Started		20 at		20 at (AM) (PM)	

OBSERVED SURFACE DATA

Duration of Shut-in 216 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						150				216	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_g)² = 0.207

(P_d)² =

(P_c)² = : (P_w)² = : P_d = % (P_c - 14.4) + 14.4 = :

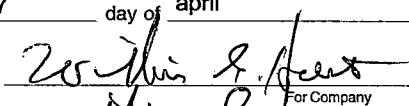
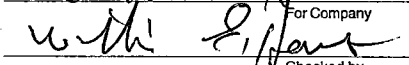
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2} \right]$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG $\left[\right]$	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)

Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 7 day of April, 20 14.

Witness (if any)

For Commission


 For Company

 Checked by
KCC WICHITA
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I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator hart Energies, LLC and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.

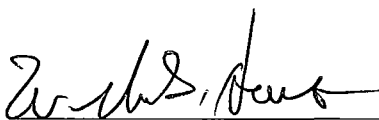
I hereby request a one-year exemption from open flow testing for the Tucker #1 gas well on the grounds that said well:

(Check one)

- is a coalbed methane producer
- is cycled on plunger lift due to water
- is a source of natural gas for injection into an oil reservoir undergoing ER
- is on vacuum at the present time; KCC approval Docket No. _____
- is not capable of producing at a daily rate in excess of 250 mcf/D

I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.

Date: April 7, 2014

Signature: 

Title: Manager

Instructions: If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.

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Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

KCC WICHITA

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Form ACO-1
August 2013

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE RECEIVED

OPERATOR: License # 32798

Name: Hart Energies LLC

Address 1: 7122 S Sheridan Rd Ste 2-363

Address 2: _____

City: Tulsa State: OK Zip: 74133 + _____

Contact Person: William G. Hart

Phone: (918) 633-4161

CONTRACTOR: License # 33843

Name: Terra Drilling

Wellsite Geologist: William G. Hart

Purchaser: West Wichita Gas Gathering/JP Energy Products Supply

Designate Type of Completion:

- New Well
- Re-Entry
- Workover
- Oil
- WSW
- SWD
- SIOW
- Gas
- D&A
- ENHR
- SIGW
- OG
- GSW
- Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic
- Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: Hart Energies LLC

Well Name: Tucker #1

Original Comp. Date: 6-30-09 Original Total Depth: 5030

- Deepening
- Re-perf.
- Conv. to ENHR
- Conv. to SWD
- Plug Back
- Conv. to GSW
- Conv. to Producer

- Commingled
 - Dual Completion
 - SWD
 - ENHR
 - GSW
- Permit #: _____
Permit #: CO101106
Permit #: _____
Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	<u>5-22-11</u> Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - 007-23438-00-00

Spot Description: _____

_____ SE NE Sec. 1 Twp. 34 S. R. 10 East West

2,030 Feet from North / South Line of Section

660 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE
- NW
- SE
- SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: Barber

Lease Name: Tucker Well #: 1

Field Name: Salty Creek

Producing Formation: Mississippian

Elevation: Ground: 1325 Kelly Bushing: 1338

Total Vertical Depth: 5030 Plug Back Total Depth: 4955

Amount of Surface Pipe Set and Cemented at: 227 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 9300 ppm Fluid volume: _____ bbls

Dewatering method used: vacuum clear liquids air dry

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

INSTRUCTIONS: The original form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. If confidentiality is requested and approved, side two of this form will be held confidential for a period of 2 years. Rules 82-3-130, 82-3-106 and 82-3-107 apply. Drill Stem Test, Cement Tickets and Geological Well Report must be attached.

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: William G. Hart

Title: Manager Date: 4/7/14

KCC Office Use ONLY

- Confidentiality Requested
- Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

Operator Name: Hart Energies LLC Lease Name: Tucker Well #: 1
 Sec. 1 Twp. 34 S. R. 10 East West County: Barber

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

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: CNL/CDL, DIL, MEL	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Heebner Shale</td> <td>3495</td> <td>-2157</td> </tr> <tr> <td>Mississippian Unc</td> <td>4540</td> <td>-3202</td> </tr> <tr> <td>Chattanooga Shale</td> <td>4841</td> <td>-3503</td> </tr> <tr> <td>Maquoketa Shale</td> <td>4882</td> <td>-3544</td> </tr> <tr> <td>Simpson Sandstone</td> <td>4986</td> <td>-3648</td> </tr> </table>	Name	Top	Datum	Heebner Shale	3495	-2157	Mississippian Unc	4540	-3202	Chattanooga Shale	4841	-3503	Maquoketa Shale	4882	-3544	Simpson Sandstone	4986	-3648
Name	Top	Datum																	
Heebner Shale	3495	-2157																	
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Chattanooga Shale	4841	-3503																	
Maquoketa Shale	4882	-3544																	
Simpson Sandstone	4986	-3648																	

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8		227	Common	105	Pozmix 70, Gel 3, Chloride 5
Production	7 7/8	5 1/2	15.5	4955	Class A	200	Kol-seal 1000, FI-160, Mudclean 500, Clapso 13

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	n.a.			

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
	4540-49 2spf; 4549-54 6spf; 4554-55 2spf. Gas gun 4549-53	Acid 1000 gal 1515 HCl	
	4559-60 2spf; 4560-62 6spf; 4562-63 2spf. Gas gun 4560-62	Acid 1500 gal 15% HCl	
	4883-99 2spf; 4890-94 6spf; Gas gun 4891-4893	Acid 5000 gal 15% HCl	

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TUBING RECORD: Size: <u>2.875</u> Set At: <u>4899</u> Packer At: <u>n.a.</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>5/22/11</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>trace</u>	Gas Mcf <u>31</u>
	Water Bbls. <u>150</u>	Gas-Oil Ratio <u>n.a.</u>
		Gravity <u>n.a.</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input checked="" type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: <u>Mississippian 4540-4562</u> <u>Maquoketa 4883-4899</u>
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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-4
Form must be typed
March 2009

APPLICATION FOR COMMINGLING OF
PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

Commingling ID # CO101106

OPERATOR: License # 32798 API No. 15 - 007-23438-00-00
Name: Hart Energies, LLC Spot Description: 50' South
Address 1: 7122 S. Sheridan Road SE NE Sec. 1 Twp. 34 S. R. 10 East West
Address 2: Suite 2-363 2,030 Feet from North / South Line of Section
City: Tulsa State: OK Zip: 74133 + 2748 660 Feet from East / West Line of Section
Contact Person: William G. Hart, Member County: Barber
Phone: (918) 633-4161 Lease Name: Tucker Well #: 1

1. Name and upper and lower limit of each production interval to be commingled:
Formation: Mississippian (Perfs): 4540' - 4563'
Formation: Maquoketa (Perfs): 4883' - 4899'
Formation: _____ (Perfs): _____
Formation: _____ (Perfs): _____
Formation: _____ (Perfs): _____

2. Estimated amount of fluid production to be commingled from each interval:
Formation: Mississippian BOPD: 2 MCFPD: 20 BWPD: 90
Formation: Maquoketa BOPD: 5 MCFPD: Trace BWPD: 200
Formation: _____ BOPD: _____ MCFPD: _____ BWPD: _____
Formation: _____ BOPD: _____ MCFPD: _____ BWPD: _____
Formation: _____ BOPD: _____ MCFPD: _____ BWPD: _____

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

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

For Commingling of PRODUCTION ONLY, include the following:

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

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For Commingling of FLUIDS ONLY, include the following:

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

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

Signature: William G. Hart
Printed Name: William G. Hart, Member
Title: Manager of Hart Energies, LLC.

KCC Office Use Only	
<input type="checkbox"/> Denied	<input type="checkbox"/> Approved
15-Day Periods Ends: <u>11/1/2011</u>	
Approved By: _____	Date: _____

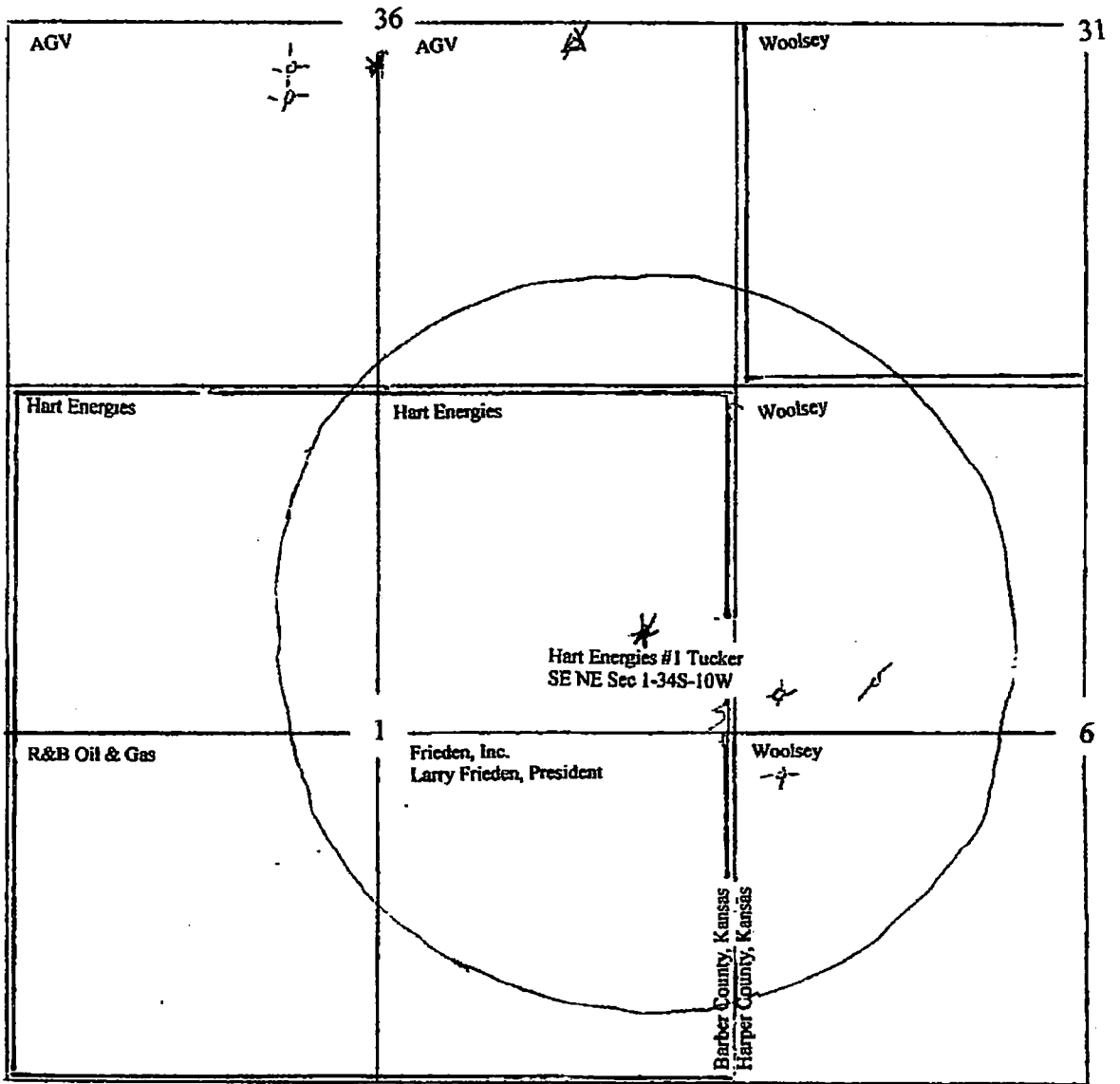
Protests may be filed by any party having a valid interest in the application. Protests must be in writing and comply with K.A.R. 82-3-135b and must be filed within 15 days of publication of the notice of application.

Mail with all required attachments and files to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas

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Offset Operators

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• Addendum to: Kansas Corporation Commission
Oil & Gas Division
Application for Commingling of Production

For: Hart Energies, LLC

Date: October 17, 2011

Names and addresses of lessee of record or operator(s) within ½ mile radius of subject well:
Tucker #1 in Barber county, SE-NE-Sec. 1 Twp. 34 S. R. 10 West

Lessee in: SW Sec. 31 of Twp. 33 S. - Range 9 West and
West Sec. 6 of Twp. 34 S. - Range 9 West

Wayne Woolsey Energy Corporation
Wayne Woolsey, President
125 North Market, Suite 1000
Wichita, KS 67202

South ½ of Sec. 36 of Twp. 33 S. - Range 10 West

AGV Corporation
P. O. Box 377
Attica, KS 67009

SE of Sec. 1 of Twp. 34 S. - Range 10 West

Frieden Inc.
Larry Frieden, President
402 S.W. 170th Avenue
Hazelton, KS 67061-9215

N ½ of Sec. 1 of Twp. 34 S. - Range 10 West

Hart Energies, L.L.C.
7122 South Sheridan #2-363
Tulsa, OK 74133

SW of Sec. 1 of Twp. 34 S. - Range 10 West

R & B Oil & Gas L.L.C.
P. O. Box 195
Attica, KS 67009

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• Addendum to: Kansas Corporation Commission
Oil & Gas Division
Application for Commingling of Production

For: Hart Energies, LLC

Date: October 17, 2011

Name and address of landowners of record holding interest in the unit containing subject well:
Tucker #1 in Barber county, SE-NE-Sec. 1 Twp. 34 S. R. 10 West

Landowner: Tucker Family Agricultural Company, LLC
Linda Marie Tucker, Managing Partner
P. O. Box 111
Kiowa, KS 67070

Unit Interest: Cheryl D. Zappia
Dominick J. Zappia, Jr.
P. O. Box 1076
Dillon, CO 80535

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AFFIDAVIT

STATE OF KANSAS \
- SS.
County of Sedgwick /

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

3139678

LEGAL PUBLICATION

Published in The Wichita Eagle
SEPTEMBER 8, 2011 (3139678)
BEFORE THE STATE CORPORATION
COMMISSION OF THE STATE OF KANSAS
NOTICE OF FILING APPLICATION

RE: Hart Energies, LLC - Application to permit
Commencing of Production from the
Mississippian and Maquokete Formations,
in the Tucker #1, located at the SE NE Sec
1-34S-10W, Barber County, Kansas.

Any person who objects to or protests this
Application shall be required to file their objection
or protest. The matter shall be held in abeyance
for 15 days for production matters and 30 days
for environmental matters, pending the filing of
any protest. Protests shall be filed pursuant to
Commission regulations and must state specific
reasons why granting the application may cause
waste, violate correlative rights, or pollute the
natural resources of the State of Kansas.

All persons interested or concerned shall
take notice of the foregoing and shall govern
themselves accordingly.

Hart Energies, LLC
William G. Hart, Member/Manager
7122 So. Sheridan #2-363
Tulsa, OK 74133
(918) 633-4161

made as aforesaid on the 8th of

September A.D. 2011, with

subsequent publications being made on
the following dates:

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

Mark Fletchall

Subscribed and sworn to before me this

8th day of September, 2011



Penny L. Case
Notary Public Sedgwick County, Kansas

Printer's Fee : \$84.40

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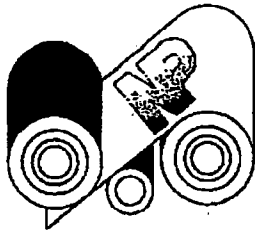
PROOF OF PUBLICATION
STATE OF KANSAS. BARBER COUNTY

Kevin Noland

of lawful age, being duly sworn upon oath states that he is the
Publisher of

The Gyp Hill
PREMIERE

110 N. Main P.O. Box 127
Medicine Lodge,
Kansas 67104



THAT said newspaper has been published weekly, fifty (50) times a year and HAS BEEN PUBLISHED for at least on year prior to the first publication of the attached notice:

THAT said newspaper was entered as second class mail matter at the post office of its publication.

THAT said newspaper has a general paid circulation in BARBER County, Kansas and is

NOT a trade, religious or fraternal publication and has been PUBLISHED IN BARBER County, Kansas and

THAT ATTACHED PUBLICATION was published on the following dates in regular issue (s) of said newspaper:

1st Publication was made on September 12, 2011
2nd Publication was made on _____
3rd Publication was made on _____
4th Publication was made on _____
5th Publication was made on _____
6th Publication was made on _____

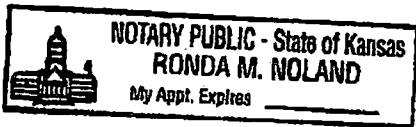
Publication Fees \$ 22.00

(SIGN) [Signature]

SUBSCRIBED and sworn before me this 13 day of Sept. 20 11

[Signature]
(Notary Public)

My commission expires: 9-30-2013



PUBLIC NOTICE
Published in *The Gyp Hill Premiere*, Tuesday, September 12, 2011
~~BEFORE THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS~~
NOTICE OF FILING APPLICATION

RE: Hart Energies, LLC - Application to permit Commingling of Production from the Mississippian and Maquoketa Formations, in the Tucker #1, located at the SENE Sec 1-34S-10W, Barber County, Kansas.

Any person who objects to or protests this Application shall be required to file their objection or protest. The matter shall be held in abeyance for 15 days for production matters and 30 days for environmental matters, pending the filing of any protest. Protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights, or pollute the natural resources of the State of Kansas.

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly.

Hart Energies, LLC
William G Hart, Member/Manager
7122 So. Sheridan #2-363
Tulsa, OK 74133
(918) 633-4161

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



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

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

November 1, 2011

William G. Hart
Hart Energies, LLC
7122 S. Sheridan Road, Suite 2-363
Tulsa, OK 74133-2748

RE: Approved Commingling CO101106
Tucker #1, Sec.1-T34S-R10W, Barber County
API No. 15-007-23438-00-00

Dear Mr. Hart:

Your Application for Commingling (ACO-4) for the above described well has been reviewed and approved by the Kansas Corporation Commission (KCC) per K.A.R. 82-3-123. Notice was examined and found to be proper per K.A.R. 82-3-135a. No protest had been filed within the 15-day protest period. This application, which was received by the KCC on October 21, 2011 concerns approval to simultaneously produce from the following sources of supply through the same tubing string in the same wellbore:

Source of Supply	Estimated Current Production			Perf Depth
	BOPD	MCFPD	BWPD	
Mississippian	2	20	90	4540-4563
Maquoketa	5	Trace	200	4883-4899
Total Estimated Current Production	7	20	290	

Based upon the depth of the Maquoketa formation perforations, total oil production shall not exceed 200 BOPD and total gas production shall not exceed 50% of the absolute open flow (AOF).

File form ACO-1 upon completion of the well to commingle.

Commingling ID number CO101106 has been assigned to this approved application. Use this number for well completion reports (ACO-1) and other correspondence that may concern this approved commingling.

Sincerely,

Rick Hestermann
Production Department

KCC WICHITA

APR 11 2014

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