

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

15-007-23563-00-00

Type Test:

- ☒ Open Flow
☒ Deliverability

Test Date:

1/07 to 1/08/11

Company Hart Energies		Lease Miss Sharon		Well Number 1	
County Barber	Location	Section 22	TWP 34S	RNG (E/W) 10W	Acres Attributed
Field Hazelton South		Reservoir Mississippian		Gas Gathering Connection Lumen-WWGG	
Completion Date ? 8/3/2010		Plug Back Total Depth 4935		Packer Set at	
Casing Size ? 5 1/2"	Weight 15.5#	Internal Diameter	Set at 4935	Perforations 4673-4689	To ?
Tubing Size ? 2 7/8"	Weight	Internal Diameter	Set at 4550	Perforations	To ?
Type Completion (Describe) single		Type Fluid Production Oil & SW		Pump Unit or Traveling Plunger? Yes No No	
Producing Thru (Annulus / Tubing) Tubing		% Carbon Dioxide .1093		% Nitrogen 1.3141	
Vertical Depth(H) ?		Pressure Taps Flange		Gas Gravity - G _g .636	
Pressure Buildup: Shut in 1/04		20 11 at 3:30 pm (AM) (PM) Taken 1/07		20 11 at 3:30 pm (AM) (PM)	
Well on Line: Started 1/07		20 11 at 3:30 pm (AM) (PM) Taken 1/08		20 11 at 3:30pm (AM) (PM)	

OBSERVED SURFACE DATA										Duration of Shut-in <u>72</u> Hours	
Static Dynamic Property	Orifice Size (inches)	Orifice Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Casing		Tubing		Duration (Hours)	Liquid Produced (Barrels)
		Prover Pressure psig (P _m)	Inches H ₂ O			Well Head Pressure P _{c1} (P _{c1} - P _{c2})	Well Head Pressure (P _{t1} - P _{t2}) - (P _{t3})				
Shut-In						1115 1129.4				72	
Flow	1.500	106	31.6	61		963	977.4			24	500 int

FLOW STREAM ATTRIBUTES								
Plate Coefficient (F _p) (F _p) Mcfd	Orifice Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times n}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _d	Metered Flow R (Mcfd)	GOR (Cubic Feet Barrels)	Flowing Fluid Gravity G _g
13.09	120.4	61.68	1.254	.9990		1011		.636

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS							
(P _e) ² = 1275.544		(P _e) ² = 955.310		P _e = 14.4		(P _e) ² = 0.207	
(P _e) ² - (P ₁) ²	(P _e) ² - (P ₂) ²	Choose formula 1 or 2 1. P _e ² - P ₁ ² 2. P _e ² - P ₂ ² divided by P _e ² - P ₁ ²	LOG of formula 1 or 2 and divide by P _e ² - P ₁ ²	Each pressure Curve Slope = "n" or Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
1275.337	320.234	3.982	.6001	.850	.5101	3.24	3276
(assumed)							
Open Flow 3276		Mcfd @ 14.65 psia X .50 =		Deliverability 1638		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 **28th** day of **January**, 20 **11**

Witness (if any):

For Commission:

For Company:

Checked by:

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MAY 28 2011

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MAY 12 2011

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HART ENERGIES, L.L.C.

an Oklahoma Limited Liability Company

6903 So. 78th East Avenue
Tulsa, Oklahoma 74133

William G. Hart, Member
918-633-4161

* * * Dedicated to the exploration, development, production and operation of oil and gas producing properties in God's Country * * *

May 23rd, 2011

Kansas Corporation Commission
ATTN: Jim Hemmen
130 So. Market, #2078
Wichita, KS 67202-3802

RE: your letter dated 5/17/2011 on the Miss Sharon #1 Gas Well
- 22-34S-10W, Barber Co. KS

Dear Mr. Hemmen:

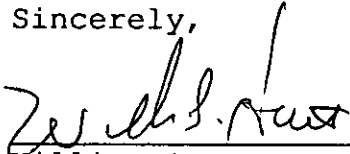
On January 27th, 2011, the Miss Sharon #1 was shut-in while a saltwater pipeline to a SWDW was being constructed to handle the water. The well has been shut-in from then to now; the pipeline should be completed this week (or next week) and the well will be put back on line. I anticipate the well will be predominately a water well for a month or two: we have lost all our CP. It will be impossible to get any kind of a test for a couple of weeks....unless we re-establish gas production. If we can't get the gas back, then we have lost the well.

Once the well is back on-line, and gas production re-established, I will have Gary perform the required test, if possible, or file for an exemption, if he can't get a test.

Attached is a copy of the original G-2 with the omitted header data, and a copy of the gas analysis.

I'll keep you posted on the well's status.

Sincerely,



William G. Hart, manager
Hart Energies, LLC.

Cc Gary Meier

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MEASUREMENT SOLUTIONS INC.

6705 East 81st Street Suite 155 Tulsa, OK 74133

Telephone 918-493-2700 Fax 918-493-2704

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11/4/2010

GAS ANALYSIS REPORT

METER NUMBER : 890240
METER NAME : MS. SHARON
METER ID : WEST WICHITA
PRODUCER : LUMEN ENERGY
COMPANY : LUMEN ENERGY

SAMPLE TYPE : SPOT
SAMPLE DATE : 10/22/2010
SAMPLE PRES / TEMP : 63 / 63
SAMPLED BY : SW
EFFECTIVE DATE : 10/01/2010

<u>COMPONENT</u>		<u>PERCENT</u>	<u>BTU VALUES @ 14.65</u>		<u>BTU VALUES @ 14.73</u>	
Helium	He	0.0784	REAL DRY	1050.28	REAL DRY	1056.01
Oxygen	O2	0.0000	REAL WET	1031.90	REAL WET	1037.53
Hydrogen Sulfide	H2S	0.0000				
Carbon Dioxide	CO2	0.2078				
Nitrogen	N2	7.9895				
Methane	C1	82.6773	<u>GPM VALUES @ 14.65</u>		<u>GPM VALUES @ 14.73</u>	
Ethane	C2	4.9965	C2	1.3283	C2	1.3355
Propane	C3	2.1504	C3	0.5889	C3	0.5921
I-Butane	iC4	0.3042	iC4	0.0990	iC4	0.0995
N-Butane	nC4	0.7092	nC4	0.2224	nC4	0.2236
I-Pentane	iC5	0.1966	iC5	0.0716	iC5	0.0720
N-Pentane	nC5	0.2519	nC5	0.0907	nC5	0.0912
Hexane Plus	C6+	0.4382	C6+	0.1901	C6+	0.1912
TOTALS		100.0000		2.5910		2.6051

SPECIFIC GRAVITY

REAL DRY 0.6703
REAL WET 0.6696

COMPRESSIBILITY FACTOR

Z FACTOR DRY 0.9976
Z FACTOR WET 0.9976

GALLONS PER THOUSAND

GPM TOTALS @ 14.65

C2 + GPM 2.5910
C3 + PGM 1.2627
C4 + GPM 0.6738
C5 + GPM 0.3524

GPM TOTALS @ 14.73

C2 + GPM 2.6051
C3 + PGM 1.2696
C4 + GPM 0.6775
C5 + GPM 0.3544

COMMENTS :

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