Form G-2
(Rev. 7/03)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: (See Instructions on Reverse Side)

- [x] Open Flow
- [ ] Deliverability

Test Date: 5-17-11

API No. 15: 15-119-21284-00-00

Company	Lease	Well Number
CLAASSEN OIL AND GAS	HEINSON	10

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
MEAD	2330'FSL & 2310'FEL	29	33S	29W	

Field	Reservoir	Gas Gathering Connection
SINGLEY	ST. LOUIS	DCP MIDSTREAM

Completion Date	Plug Back Total Depth	Packer Set at
4-8-11	6285	6215

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4.5	10.5	4.052	6400	6264	6272

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.375	4.7	1.995	6215		

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
SINGLE GAS	OIL	NO

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
TUBING	0.063	7.336	0.700

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
6268	FLANGE	3.068"

Pressure Buildup: Shut in 5-13-11 20 ___ at 0900 (AM) (PM) Taken 5-16-11 20 ___ at 0900 (AM) (PM)

Well on Line: Started 5-16-11 20 ___ at 0900 (AM) (PM) Taken 5-17-11 20 ___ at 0900 (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in 72.0 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H_2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Casing Wellhead Pressure psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing Wellhead Pressure psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In								1404.7	1419.1	72.0	
Flow	2.000	103.1	11.5		75			1054.7	1069.1	24.0	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F_b) (F_p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m x h}$	Gravity Factor F_g	Flowing Temperature Factor F_{tt}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m
21.8627	117.50	36.76	1.1952	1.0632	1.017	1038.6	NONE	0.700

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = 2013.8 : $(P_w)^2$ = 1166.1 : P_d = 76.1 % $(P_c - 14.4) + 14.4$ = 1419.1 : $(P_a)^2$ = 0.207 $(P_d)^2$ = ___

$(P_c)^2 - (P_a)^2$ 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: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" / Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
2013.64	847.72	2.375	0.3757	0.692	0.2600	1.8197	1890.00

Open Flow 1890 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 17 day of MAY, 20 11.

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Witness (if any)

Precision Wireline & Testing
For Company

Copy to KCC Dodge City
For Commission

Checked by

STATE OF KANSAS - CORPORATION COMMISSION

FORM CG-1 Rev.

MULTIPOINT BACK PRESSURE TEST

TYPE TEST: [X] Initial [ ] Annual [ ] Special TEST DATE: 5-16-11

COMPANY	LEASE	WELL NO.
CLAASSEN OIL AND GAS	HEINSON	10

COUNTY	LOCATION	SECTION	TWP	RNG (E/W)	ACRES
MEAD	2230FSL&2310FEL	29	33S	29W	

API WELL NUMBER	RESERVOIR	PIPELINE CONNECTION
15 - 119-21284-00-0	ST. LOUIS	DCP MIDSTREAM

COMPLETION DATE	PLUG BACK TOTAL DEPTH	PACKER SET AT
4-8-11	6285	6215

CASING SIZE	WT.	ID.	SET AT	PERF.	TO
4.5	10.5	4.052	6400	6264	6272

TUBING SIZE	WT.	ID.	SET AT	PERF.	TO
2.375	4.7	1.995	6215		

TYPE COMPLETION (Describe)	TYPE FLUID PRODUCTION
SINGLE GAS	OIL

PRODUCING THRU	RESERVOIR TEMPERATURE F	BAR PRESS - Pa
Tubing	144	14.4 Psia

GAS GRAVITY - Gg	% CARBON DIOXIDE	% NITROGEN	API GRAVITY OF LIQUID
.700	0.063	7.336	

VERTICAL DEPTH (H)	TYPE METER CONN.	METER RUN SIZE
6268	Flange	3.068"

REMARKS

OBSERVED DATA

DURATION OF SHUT-IN 72.0 HR.

RATE No.	ORIFICE SIZE in.	METER PRESSURE psig	DIFF. (h_w)	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASING WELLHEAD PRESS. psig	CASING WELLHEAD PRESS. psia	TUBING WELLHEAD PRESS. psig	TUBING WELLHEAD PRESS. (P_t) (P_c) psia	DUR-ATION HOURS	LIQUID PROD. Bbls.
SHUT IN								1,404.70	1,419.10	72.0	
1	2.000	78.3	3.0		75			1,350.70	1,365.10	1.0	0
2	2.000	97.3	8.5		75			1,270.90	1,285.30	1.0	0
3	2.000	121.0	14.5		75			1,164.00	1,178.40	1.0	0
4	2.000	138.2	20.5		75			1,036.80	1,051.20	1.0	0
5											

RATE OF FLOW CALCULATIONS

RATE No.	COEFFICIENT F_b Mcfd	METER PRESSURE psia	EXTENSION $\sqrt{P_m * h_w}$	GRAVITY FACTOR F_g	FLOWING TEMP FACTOR F_t	DEVIATION FACTOR F_{pv}	RATE OF FLOW Q Mcfd	GOR (ft³/Bbl)	G_m
1	21.8627	92.70	16.68	1.1952	1.0632	1.0133	469.5	None	0.7
2	21.8627	111.70	30.81	1.1952	1.0632	1.0161	869.9	None	0.7
3	21.8627	135.40	44.31	1.1952	1.0632	1.0197	1,255.3	None	0.7
4	21.8627	152.60	55.93	1.1952	1.0632	1.0223	1,588.6	None	0.7
5									

PRESSURE CALCULATIONS

RATE No.	P_t psia	P_c psia	P_w psia	$(P_c)^2$ THOUSANDS	$(P_w)^2$ THOUSANDS	PLOTTING POINTS $(P_c)^2 - (P_w)^2$ THOUSANDS	PLOTTING POINTS Q Mcfd	% SHUT-IN $100\left[\frac{P_w - P_a}{P_c - P_a}\right]$
1	1,365.1	1,419.1	1,366.8	2,013.8	1,868.0	145.80	469.5	96.27
2	1,285.3	1,419.1	1,291.4	2,013.8	1,667.8	346.08	869.9	90.91
3	1,178.4	1,419.1	1,192.4	2,013.8	1,421.9	591.94	1,255.3	83.86
4	1,051.2	1,419.1	1,076.7	2,013.8	1,159.3	854.59	1,588.6	75.62
5								

INDICATED WELLHEAD OPEN FLOW 2,874 Mcfd @ 14.65 psia "n" = 0.6918

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 16 day of May, 2011

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Witness (if any)

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For Commission

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KCC WICHITA

PRECISION WIRELINE AND TESTING
For Company

MARK BROCK
Checked by

(Rev. 10/96)

Operator : CLAASSEN OIL AND GAS

Report Date : May, 16, 2011

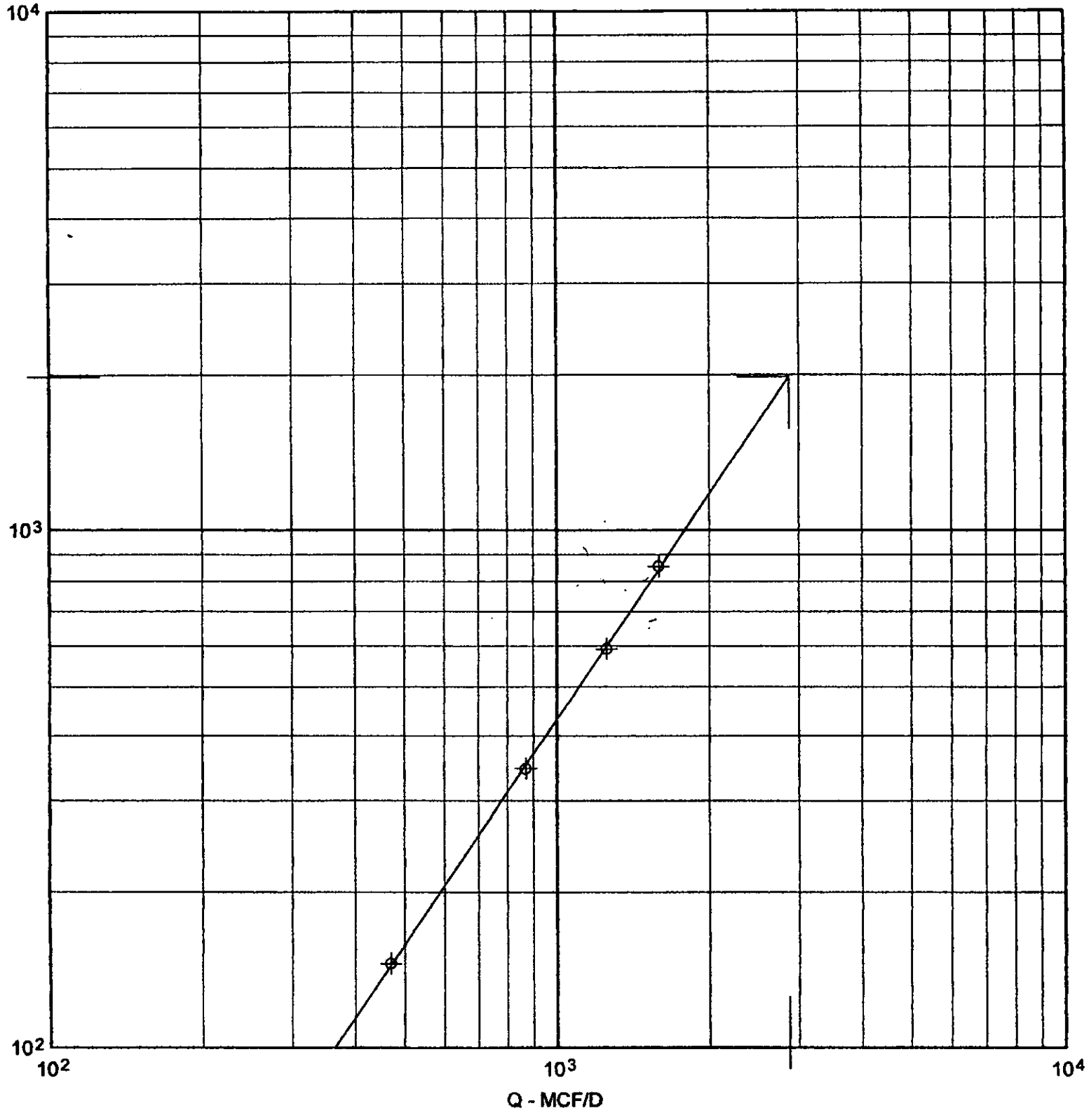
Well/Lease Name & No. : HEINSON #10

Test Date : 5-16-11

API Well Number : 15 - 119-21284-00-0

Sec/Twp/Rge : 29 - 33S - 29W

County : MEAD



WHAOF = 2,874 MCF/D

Slope = 1.4454

(Pc2 - Pw2) = 1,980.55 (Thousands)

N = 0.6918

PRECISION WIRELINE & TESTING
P.O. BOX 560
LIBERAL, KS 67905-0560
620-624-4505

PRODUCER CLAASSEN OIL AND GAS
WELL NAME HEINSON #10
LOCATION 2230 FSL & 2310 FEL 29-33S-29W
COUNTY MEAD STATE KS

CSG 4.5 WT 10.5 SET @ 6400 TD 6400 PBTD 6285 GL
TBG 2.375 WT 4.7 SET @ 6215 SN PKR 6215 KB
PERFS 6264 TO 6272 , TO , TO , TO
PROVER METER 3" TAPS FLANG ORIFICE 2.000 PCR TCR
GG .700 API @ GM RESERVOIR ST. LOUIS

TYPE INITIAL SPEICAL ENDING
TEST:ANNUAL RETEST DATE 5-17-11

DATE TIME OF READING	ELAP TIME HOUR	WELLHEAD PRESSURE DATA						MEASUREMENT DATA				LIQUIDS		REMARKS PERTINENT TO TEST DATA QUALITY
		CSG PSIG	Δ P CSG	TBG PSIG	Δ P TBG	BHP PSIA	Δ P BHP	PRESS. PSIG	DIFF.	TEMP	Q MCF/D	COND. BBLS.	WATER BBLS.	
MONDAY														500# 50" % CHART
5/16/2011														
0900		PKR		1404.7										18T RATE OF MULTI-PT. TEST THROUGH METER RUN 8/64
0915				1372.8	-31.9			76.0	3.0		464			
0930	0.5			1363.6	-9.2			77.0	3.2		481			
0945				1356.3	-7.3			78.1	3.0		469			
1000	1.0	PKR		1350.7	-5.6			78.3	3.0		470	0.0	0.0	
1000														2ND RATE OF MULTI-PT. TEST THROUGH METER RUN 12/64
1015				1302.9	-47.8			97.7	10.0		945			
1030	1.5			1286.1	-16.8			97.2	9.2		905			
1045				1278.0	-8.1			96.8	9.0		893			
1100	2.0	PKR		1270.9	-7.1			97.3	8.5		870	0.0	0.0	
1100														3RD RATE OF MULTI-PT. TEST THROUGH METER RUN 15/64
1115				1201.5	-69.4			124.1	17.0		1374			
1130	2.5			1174.1	-27.4			124.7	16.5		1357			
1145				1166.2	-7.9			121.4	15.5		1300			
1200	3.0	PKR		1164.0	-2.2			121.0	14.5		1255	0.0	0.0	
1200														4TH RATE OF MULTI-PT. TEST THROUGH METER RUN 18/64
1215				1066.0	-9.8			145.8	23.0		1724			
1230	3.5			1052.9	-13.1			140.7	22.5		1678			
1245				1042.0	-10.9			140.7	22.0		1659			
1300	4.0	PKR		1036.8	-5.2			138.2	20.5		1589	0.0	0.0	OBTAIN GAS SAMPLE
1300														WELL ON 1PT. TEST 13/64
TUESDAY														
5/17/2011														
0900	24.0	PKR		1054.7				103.1	11.5		1039			SPOT
								21%	23%					
								21%	24%		1061			1 DAY AVERAGE

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