Form G-2
(Rev. 7/03)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:
- [x] Open Flow
- [ ] Deliverability

Test Date: 7-29-11

API No. 15: 15-081-~~20354~~ 20,364-0000

Company: CIMAREX ENERGY			Lease: HOFFMAN		Well Number: A-2
County: HASKELL	Location: NW NWSESE	Section: 5	TWP: 30S	RNG (E/W): 33W	Acres Attributed:
Field: HUGOTON		Reservoir: CHASE		Gas Gathering Connection: DCP MIDSTREAM	
Completion Date: RECOMP. 6-11		Plug Back Total Depth: 2854		Packer Set at: NONE	
Casing Size: 4.5	Weight: 11.6	Internal Diameter: 4.000	Set at: 2883	Perforations: 2628	To: 2779
Tubing Size: 2.375	Weight: 4.7	Internal Diameter: 1.995	Set at: 2753	Perforations:	To:
Type Completion (Describe): SINGLE GAS		Type Fluid Production: WATER		Pump Unit or Traveling Plunger? Yes / No: YES-PUMP	
Producing Thru (Annulus / Tubing): ANNULUS		% Carbon Dioxide:		% Nitrogen:	Gas Gravity - G_g: .700
Vertical Depth(H): 2704		Pressure Taps: FLANGE			(Meter Run) (Prover) Size: 3.068"

RECEIVED
AUG 10-2011
KCC WICHITA

Pressure Buildup: Shut in 7-25-11 20 ___ at 0800 (AM) (PM) Taken 7-28-11 20 ___ at 0800 (AM) (PM)

Well on Line: Started 7-28-11 20 ___ at 0800 (AM) (PM) Taken 7-29-11 20 ___ at 0800 (AM) (PM)

Duration of Shut-in 72.0 Hours

OBSERVED SURFACE DATA

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 (P_w) or (P_t) or (P_c) psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						71.5	85.9			72.0	
Flow	.750	4.2	79.5	95	75	43.6	58.0			24.0	23.5

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
2.7402	18.60	38.45	1.1952	0.9680	1.0017	122.1	NONE	0.700

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = 7.3 : $(P_w)^2$ = 3.4 : P_d = 67.8 % $(P_c - 14.4) + 14.4$ = 85.9 : $(P_a)^2$ = 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" or Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
7.17	3.98	1.801	0.2555	0.850	0.2171	1.6487	201.31

Open Flow 201 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 29 day of JULY, 20 11.

Copy to KCC Wichita
Witness (If any)

Copy to KCC Dodge City
For Commission

Precision Wireline & Testing
For Company

Mark of Brock
Checked by