

**KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST**

FORM G-2
(Rev. 8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 6-12-14

API No. 15-175-20494-0001 ²⁰⁴⁹⁴ ~~209494~~ ⁰

Company Becker Oil Corp.		Lease Gano			Well Number 2-2	
County Seward	Location NW/NE	Section 2-33S-31W	TWP	RNG (E/W)	Acres Attributed 160	
Field Massoni East	Reservoir Chester			Gas Gathering Connection DCP		
Completion Date	Plug Back Total Depth 5978			Packer Set at		
Casing Size 4.500	Weight 10.500	Internal Diameter	Set at 5020	Perforations 5712	To 5728	
Tubing Size 2.375	Weight 4.700	Internal Diameter	Set at 5932	Perforations 5909	To 5975	
Type Completion (Describe)	Type Fluid Production			Pump Unit or Traveling Plunger? Pump Unit		
Producing Thru (Annulus/Tubing) Casing	% Carbon Dioxide .097	% Nitrogen 5.723		Gas Gravity- Gg .647		
Vertical Depth (H) 5978	Pressure Taps Flange			Meter Run Size 3.068		
Pressure Buildup: Shut in	6-9-14 @3:00 P.M.		TAKEN	6-12-14 @3:00 P.M.		
Well on Line: Started	6-12-14 @3:00 P.M.		TAKEN	6-13-14 @3:00 P.M.		

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H ₂ O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P _w) (P _t) (P _c)		Tubing WellHead Press. (P _w) (P _t) (P _c)		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						508	522			72.0	
Flow	.500	49.2	4.50			459	473			24.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _D) Mcf/d	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcf/d	GOR	G _m
1.214	63.6	16.92	1.2433	1.0632	1.0079	27		.647

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_c)² = 272.9 (P_w)² = 224.1 P_d = % (P_c - 14.4) + 14.4 = (P_a)² = 0.207
(P_d)² =

$(P_c)^2 - (P_a)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$ or $\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_w)^2}$	LOG	Backpressure Curve Slope "n" ----- or ----- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcf/d
272.69	48.78	5.590	.7474	1.000	.7474	5.590	152

OPEN FLOW 152 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 herein and that said report is true and correct. Executed this the 14th day of June, 20 14

Witness (if any) _____
For Commission _____

KCC WICHITA
JUL 07 2014
RECEIVED

Becker Oil Corporation
For Company
Hasco Testing & Measurement
Checked by
Taylor Rankin