

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
 (Rev.8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 7/16/2003 API No. 15-071-587

Company Starlite Oil		Lease Koehn			Well Number 1	
County Greeley	Location 500'fml 3900'fe		Section	TWP	RNG (E/W)	Acres Attributed 640
Field Wildcat	Reservoir Morrow		Gas Gathering Connection			
Completion Date	Plug Back Total Depth		Packer Set at			
Casing Size 5.500	Weight 15.500	Internal Diameter 4.950	Set at 5200	Perforations 5110	To 5120	
Tubing Size 2.875	Weight 6.450	Internal Diameter 1.995	Set at 5076	Perforations	To	
Type Completion (Describe) natural	Type Fluid Production water		Pump Unit or Traveling Plunger? NO			
Producing Thru (Annulus/Tubing) tubing	% Carbon Dioxide .555		% Nitrogen 57.580		Gas Gravity- Gg .847	
Vertical Depth (H) 5115	Pressure Taps		Prover Size			
Pressure Buildup: Shut in			TAKEN			
Well on Line: Started			TAKEN			

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Prover 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						878	891	917	930		
Flow	1.250	50.8		88		688	702	283	296	24.0	90.0

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _p) Mcf/d	(PROVEREXTENSION) PRESSURE psia	$\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcf/d	GOR	G _m
28.340	64.2	64.20	1.0866	.9741	1.0030	1931	21461	1.024

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_c)² = 794.6 (P_w)² = 492.8 Pd = % (P_c - 14.4) + 14.4 = (P_a)² = 0.207
 (Pd)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 $\frac{(P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}$	LOG []	Backpressure Curve Slope "n" ---- or ---- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability = R x Antilog Mcf/d
794.41	301.79	2.632	.4203	1.000	.4203	2.632	5084

OPEN FLOW 5084 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 _____ day of _____, 20 _____

 Witness (if any)

 For Commission

 For Company

 Checked by