

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev. 8/98)

TYPE TEST:

☒ Open Flow
☒ Deliverability

TEST DATE: 4/6/2010

API No. 15-053-21130-0000

Company Samuel Gary Jr. & Associates		Lease Schroeder Trust		Well Number 2X-18	
County Ellsworth	Location 940'FSL130'FEL	Section NW SW Se 18	TWP 16s	RNG(E/W) 7w	Acres Attributed 320
Field Wildcat	Reservoir Grand Haven	Gas Gathering Connection American Energies			
Completion Date 2005	Plug Back Total Depth 2177	Packer Set at none			
Casing Size 4.500	Weight 9.500	Internal Diameter 4.090	Set at	Perforations 1798	To 1816
Tubing Size NONE	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) single gas	Type Fluid Production Gas	Pump Unit or Traveling Plunger? no			
Producing Thru (Annulus/Tubing) casing	% Carbon Dioxide 0.042	% Nitrogen 36.568	Gas Gravity- Gg 0.732		
Vertical Depth (ft) 1807	Pressure Taps flange	Meter Run Size 2.067			
Pressure Buildup: Shut in	3/23/2010@1200	TAKEN	3/31/2010@0853		
Well on Line: Started	4/5/2010@1200	TAKEN	4/6/2010@1200		

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						480	494			188.0	
Flow	0.750	85.0	48.00	73	80	290	304			24.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcfd	GOR	G _m
2.779	99.4	69.07	1.1688	0.9877	1.0054	222		0.732

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P _c) ² = 244.4		(P _w) ² = 92.7		Pd = 17.2		(P _c - 14.4) + 14.4 =		(Pa) ² = 0.207
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²		(P _c) ² - (P _w) ²		$\frac{(P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}$		LOG		(Pd) ² = 7.23
				Backpressure Curve Slope "n" ---- or ---- Assigned Standard Slope		n x LOG		Open Flow Deliverability = R x Antilog Mcfd
244.22		151.76		1.609		0.2066		0.892
237.21		151.76		1.563		0.1940		0.892
								0.1843
								1.529
								1.489
								340
								331

OPEN FLOW 340 Mcfd @ 14.65 psia DELIVERABILITY 331 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 Company

For Commission

Checked by

PRESSURE GRADIENT SUMMARY

Oil Company: Sam Gary & Associated
Date of Test: 03/31/2010

Well Location: Schroeder Trust 2x-18

#	Depth(FEET)	Stop Time	Temp.(DEG.F)	Pres.(psig)	Gradient
0	0.0	-	65.365	480.8	0.000
1	1600.0	-	80.186	500.0	0.012
2	1650.0	-	81.001	501.2	0.023
3	1700.0	-	82.407	502.1	0.018
4	1750.0	-	83.280	503.0	0.019
5	1800.0	-	84.175	503.8	0.016
6	1812.0	-	84.549	504.2	0.037

FLUID LEVEL IS AT N/A FEET

COPY

PRESSURE GRADIENT

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