

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
6/08 to 6/09/11

API No. 15
145-21,534 - 0000

Company F.G.Holl Co, LLC		Lease Appley Trust			Well Number 1-30
County Pawnee	Location 180FEL&2020FSL	Section 30	TWP 21S	RNG (E/W) 15W	Acres Attributed
Field Bader		Reservoir Bader		Gas Gathering Connection SemGas	
Completion Date 03/11 re-completion		Plug Back Total Depth 3293		Packer Set at none	
Casing Size 5.5	Weight	Internal Diameter	Set at 4000	Perforations 2284	To 2288
Tubing Size 2.875	Weight	Internal Diameter	Set at 2318	Perforations	To
Type Completion (Describe) single		Type Fluid Production SW		Pump Unit or Traveling Plunger? Yes / No no	
Producing Thru (Annulus / Tubing) tubing		% Carbon Dioxide .0000		% Nitrogen 17.0538	Gas Gravity - G _g .650
Vertical Depth(H)		Pressure Taps flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 06/05 20 11 at 8:00 am (AM) (PM)		Taken 06/08 20 11 at 8:00 am (AM) (PM)			
Well on Line: Started 06/08 20 11 at 8:00 am (AM) (PM)		Taken 06/09 20 11 at 8:15 am (AM) (PM)			

OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _c) or (P _i) or (P _e)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						708	722.4	400	414.4	72	
Flow	.500	101	7	66		622	636.4	296	310.4	24.5	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _p) (F _{ps}) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
1.219	115.4	28.42	1.240	.9943	---	43		.650

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 521.861 ; (P_w)² = 405.004 ; P_e = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_w)² = 0.207 ; (P_e)² = _____

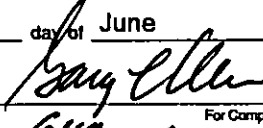
(P _c) ² - (P _w) ² or (P _e) ² - (P _w) ²	(P _e) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _w ² 2. P _e ² - P _w ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_c^2 - P_w^2}{P_e^2 - P_w^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
521.654	116.857	4.464	.6497	.837	.5438	3.40	150

Open Flow 150 Mcfd @ 14.65 psia X .50 = Deliverability 75 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 13th day of June, 2011.

Witness (if any)

For Commission


 For Company
 Checked by
 RECEIVED
 JUN 14 2011
 KCC WICHITA