

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

RECEIVED
JUL 23 2010

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
7-6-2010

API No. 15
15-023-20313 **0000**

KCC WICHITA

Company Prime Operating Company		Lease Schlepp			Well Number 33-1-1	
County Cheyenne	Location	Section 33	TWP 3S	RNG (E/W) 42W	Acres Attributed	
Field NW Cherry Cheek		Reservoir Niobrara		Gas Gathering Connection Kinder Morgan		
Completion Date 8-18-93		Plug Back Total Depth 1604'		Packer Set at N/A		
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052"	Set at 1634.89'	Perforations 1490'	To 1516'	
Tubing Size 2 3/8"	Weight 4.7#	Internal Diameter 2"	Set at 1535.59'	Perforations N/A	To	
Type Completion (Describe) singular "conventional"		Type Fluid Production Water		Pump Unit or Traveling Plunger? Yes / No Yes		
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen		Gas Gravity - G _g 0.59
Vertical Depth(H) 1634'		Pressure Taps flange			(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in <u>July 7</u> 20 <u>10</u> at <u>12:00 PM</u> (AM) (PM) Taken <u>July 10</u> 20 <u>10</u> at <u>3:00 PM</u> (AM) (PM)						
Well on Line: Started <u>July 10</u> 20 <u>10</u> at <u>3:00 PM</u> (AM) (PM) Taken <u>July 16</u> 20 <u>10</u> at <u>8:00 AM</u> (AM) (PM)						

OBSERVED SURFACE DATA

Duration of Shut-in _____ 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 _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In	1/2"	PSIG 29	0			92	107	0	15	75	0
Flow	1/2"	PSIG 29	30	.65	.65	29	44	15	30	24	12

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _v) (F _p) 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
1.58	44	34.64	1.0084	.9952	1.002	.55	0	

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 11,449 (P_w)² = 1936 P_d = _____ % (P_c - 14.4) + 14.4 = _____ (P_a)² = 0.207
(P_d)² = _____

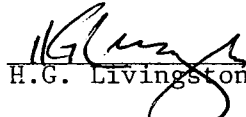
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2} \right]$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2} \right]$	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
11242	9513	1.18	0.0725	.85	.06163	1.15	63

Open Flow **63** 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 20 day of July, 20 10.

Witness (if any)

For Commission


H.G. Livingston For Company Central Oprs Mgr

Checked by