

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
12/2/10

API No. 15
15-033-21536-0000

Company WOOLSEY OPERATING COMPANY, LLC		Lease DORSEY		Well Number 2	
County COMANCHE	Location SW SE NE	Section 29	TWP 33S	RNG (E/W) 16W	Acres Attributed
Field HAM		Reservoir MISSISSIPPI		Gas Gathering Connection ONEOK FIELD SERVICES	
Completion Date 10/17/08		Plug Back Total Depth 5632		Packer Set at NONE	
Casing Size 4.500	Weight 10.50	Internal Diameter 4.052	Set at 5404	Perforations 5011	To 5040
Tubing Size 2.375	Weight 4.70	Internal Diameter 1.995	Set at 5179	Perforations OPEN	To
Type Completion (Describe) SINGLE		Type Fluid Production WATER		Pump Unit or Traveling Plunger? Yes / No PUMPING	
Producing Thru (Annulus / Tubing) ANNULUS		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 5363		Pressure Taps		(Meter Run) (Prover) Size	

Pressure Buildup: Shut in 12/1/10 20 at _____ (AM) (PM) Taken 12/2/10 20 at _____ (AM) (PM)
Well on Line: Started _____ 20 at _____ (AM) (PM) Taken _____ 20 at _____ (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 ₁) or (P _o)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _o)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						70				24	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _o) (F _d) Mcf/d	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207

(P_o)² = _____ : (P_w)² = _____ : P_o = _____ % (P_o - 14.4) + 14.4 = _____ : (P_o)² = _____

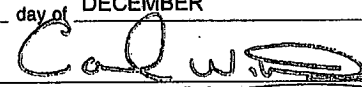
(P _o) ² - (P _a) ² or (P _o) ² - (P _w) ²	(P _o) ² - (P _w) ²	Choose formula 1 or 2: 1. P _o ² - P _a ² 2. P _o ² - P _w ² divided by: P _o ² - P _w ²	LOG of formula 1. or 2. and divide by: P _o ² - P _w ²	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcf/d)

Open Flow 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 10 day of DECEMBER, 2010.

Witness (if any)

For Commission


 RECEIVED
 DEC 22 2010
 Checked by _____

KCC WICHITA