KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			(See Instructions on Reverse Side)									
Open Flow Deliverabilty			Test Date			API No. 15							
Company Norstar Petroleum Inc.				5/2/201	10	Lease Widows		15-055-21917-00-0			Well Number		
County Location Finney NW			n	Section 31		TWP 21S		RNG (E/W)		Acres Attributed 640			
Field Hugoto				Reservoir Krider				Gas Gathering Connec					
Completion Date 11/6/2006				Plug Bac 2768	k Total Dept	th	 		Packer Set at		~ <u></u>		
Casing Size Weight 4 1/2" 10.5				Internal I	Diameter	Set at 2816 '		Perforations 2708		то 2718			
Tubing Si 2 3/8"	ize	Weight	Weight		Internal Diameter		Set at 2700		Perforations		То		
Type Completion (Describe)				Type Fluid Production				Pump Unit or Traveling Plunger? Yes / No Pump Unit					
Producing Thru (Annulus / Tubing) Annulus				% C	arbon Dioxi	ide	3		en	Gas Gravity - G _g			
Vertical C	Depth(H)				Pres	sure Taps				(Meter	Run) (Prover)	Size	
Pressure Buildup: Shut in 4/30 20			0 10 at		(AM) (PM)	AM) (PM) Taken 5/		20	10 at	10 at (AM) (PM)			
Well on Line:		Started	Started 20		at		(AM) (PM) Taken		20	at	at (AM) (PM)		
					OBSERVE	D SURFACE	DATA			Duration of Shut	in 48	Hours	
Static / Orifice Dynamic Size Property (inches)		Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature Temperature t t		Casing Wellhead Pressure (P _w) or (P ₁) or (P ₆)		Tubing Welihead Pressure (P _w) or (P _t) or (P _c)		Duration Liquid Pr (Hours) (Barr			
Shut-In	0.5		2			psig 67	psia	psig	psia				
Flow													
		· · · · · · · · · · · · · · · · · · ·			FLOW STR	REAM ATTRI	BUTES						
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter of Prover Pressure psia	Press Extension ✓ P _m x h	Grav Fac F	tor	Flowing Temperature Factor F ₍₁		viation actor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	l Cro	uid vity	
(P)2 =		(P)2 -		(OPEN FLO		'ERABILITY) % (P) ² = 0.207		
$(P_c)^2 = $			+		Backpres	Backpressure Curve			المراجعة	Open Flor	w		
or (P _c) ² • (P _d) ²		2. P _c ² - P _d ² divided by: P _c ² - P _w ²		formula 1. or 2. and divide by: p 2 p 8 w		Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Antilog Deliverability Equals R x Antilo (Mcfd)		
					 <u>.</u>					.			
Open Flo	L w		Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 ps	ia		
		ned authority, on rein, and that sai Witness (if a	d report is true	e and correct	RECEIVED	this the	thorized 1	day of	n an	Ines in	, 20 / 0		
		For Commis	sion	M	AY . 10 . ²	2010 _			Chec	ked by			
				CONS	MICHLY FHAMIO	_{s tot} visi ON to							