## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t en Flo	w			·		ions on Reve	erse Side		N 45 114	a 210 <b>7</b> 0-/	2000		
Deliverabilty					Test Date 9/12 to 9/13/14				API No 15 - 119 - 21,070 - 2000					
Company Benchr		Ene	ergy, LLC			Lease Reimer			1-			Well Number -29		
County Location Meade SWSW					Section 29				RNG (E/ 27W	W)	Acres Attributed		Attributed	
Field					Reservoii Morrowi	'Chester			Gas Gat	nering Conn	ection			
Completion Date 1/27/05					Plug Bac 5946	k Total Dept	h		Packer S 5598	et at				
Casing Size W			Weigh	ht Internal Diamete		Diameter	Set at 6000		Perforations 5635		То 5680			
Tubing Size V 2.375			Weigh	nt	Internal [	Internal Diameter		Set at Per 5598		rations	То	То		
Type Completion (Describe) single					Type Fluid Production SW				Pump Unit or Traveling Plunger? Yes / No					
Producing Thru (Annulus / Tubing) tubing					% Carbon Dioxide				% Nitrog	en		Gas Gravity - G <sub>s</sub> .650 est		
Vertical Depth(H)					Pressure Taps				(Meter Run) (Prover) Size			rover) Sıze		
Pressure Buildup Shut in 9/0			Shut in	flang 9 <sub>20</sub> 14 <sub>at</sub> 10 <sup>.</sup> 45 am				) (PM) Taken_9/122				am ,	(AM) (PM)	
•			Started 9/1				(AM) (PM) Taken 9/13							
						OBSERVE	D SURFACE	DATA	· · · · · ·	<del>· ·</del>	Duration of Shut-	72	Hours	
Static / Dynamic Property	amic Size		Circle one Meter Prover Pressi psig (Pm)	Pressure Differential ure In Inches H <sub>2</sub> 0	Flowing Well Head Temperature t t		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	nut-In		peig (i iii)	1101100 7120			psig	psia	59.5	73.9	72	2		
Flow	.625	5	47	1	72				48.4	62.8	24			
			·			FLOW STR	EAM ATTRIE	BUTES						
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> xh	Grav Fac	tor T	Flowing emperature Factor F <sub>11</sub>	Deviation Factor F <sub>pv</sub>		Metered Flor R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
1 914	1 914		.4	7.835	1.240	98	9887			18				
(P <sub>c</sub> ) <sup>2</sup> = 5	.461	_	(P <sub>w</sub> ) <sup>2</sup> =	3.943	(OPEN FL	, ,	ERABILITY)	CALCUL.			(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 02	07	
or	$(P_o)^2 - (P_a)^2$ or $(P_o)^2 - (P_d)^2$		P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	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 P2. P2		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog Del Equals		pen Flow overability R x Antilog (Mcfd)	
5.254		1 :	518	3.461	5392		.850		.458	33	2.87	52		
50							assigned							
Open Flo	w 52			Mcfd @ 14	65 psia		Deliverabil	ity			Mcfd @ 14 65 ps	ia		
		•	•	n behalf of the aid report is true			•			e above repo eptember	ort and that he ha	ıs know	ledge of <sub>20</sub> 14	
			Witness (			<del></del>	Dooniyer			Lud	Lea M	W	ilm	
							ORPORATION	COMMISSIC	N		SIM, I	WC.		
			For Comn	nission		0	CT 09	2014		Che	Cked by			

CONSERVATION DIVISION WICHITA, KS