KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Test Dative pathworth Test Dative (1/20/2013 - 01/20/2013 - 01/20/2013 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440 - 0600 15-047-21,440	type rest:				·	(See mand	ciions on Nei	verse side	7			
Deliverability O1/20/2013 - 01/21/2013 15-047-21.440 - 0000 Descript F.G. Holl Company, L.L.C. J.H. CROSS 2-22 Descript Fold Company, L.L.C. Section Section Filed Gov. C. S./2 NW F. S.	•				Test Date):			API	No. 15		
Lease Lease Well Number Lease	Deli	verabilty					/21/2013				40 - 0000	·
Section TWP RNG (EW) Acres Attributed Ethwards 60° W. C S/2 NW 22 248 17W				,			Lease			······································		Well Number
Competition Date Programmer		II Comp	····					ROSS				
Reservoir Winfield Seas Gathering Cornection Semgas Gathering L.L.C. RECET	•								•	W)	- 1 - 1	Acres Attributed
Mayne Winfield Semgas Gethering L.L.C. RECE			ou w.	C SIZ INVV			245			aging Conno	otion	
Page Completion (Describe) Type Fluid Production Type Fluid Production Flowing Treducing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - Ge Treducing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - Ge Gas Gravity - Ge Wilter Run) (Prover) Size Flange 2" Tressure Buildiup: Shut in 01/20/2013 19 at 8:00 (AM) (PM) Taken 01/20/2013 19 at 8:00 (AM) (PM) Taken 01/20/2013 19 at 8:00 (AM) (PM) Fell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Taken 01/20/2013 19 at 8:00 (AM) (PM) Fell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Fell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Tell on Line: Sta	A CONTRACTOR OF THE PARTY OF TH						+1,			•		RECFI
Page Completion (Describe) Type Fluid Production Flowing Troucing Thru (Annufus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G_g Tubing Fressure Buildup: Shut in 01/20/2013 19et 8:00	•				•	k Total Dept	h		Packer S	et at		JAN 24
Pump Unit or Traveling Plunger? Yes / No Flowing Flowing (Pass) Flowing True (Annulus / Tubing) **Carbon Dioxide** **Carbon		8	_	4 5	Internal C	iameter					То	140
## 2245 Part Production Pump Unit or Traveling Plunger? Yes / No Flowing Flowing Flowing Gas Gravity -		•			Into-nol C	\					T-	KCC WIC
Per punit of Traveling Plunger? Yes / No Flowing (Gas) Type Fluid Production Flowing (Gas) We Carbon Dioxide Shirt (Annulus Tubing) Pressure Taps Flange (Meter Run) (Prover) Size 2" ressure Buildup: Shut in 01/20/2013 19 at 8:00 (AM) (PM) Taken 01/20/2013 19 at 8:00 (AM) (PM) Shirt (Annulus Tubing) OBSERVED SURFACE DATA Duration of Shut-in 24 Hours OBSERVED SURFACE DATA Duration of Shut-in 24 Hours Size (Prover) Pressure Pressure Pressure In (I)		е	-		internal L	nameter			Репо	rations	10,	
The control of the co	ype Comp				Type Flui	d Production			-	-	Plunger? Yes	/ No
Pressure Buildup: Shut in 01/20/2013 19 at 8:00 (AM) (PM) Taken 01/20/2013 19 at 8:00 (AM) (PM) Faken 01/20/	<u>.</u>		nulus / Tubing)	% Carbo	n Dioxide				<u> </u>	Gas G	ravity - G _s
Flange 2" Tressure Buildup: Shut in 01/20/2013 19 at 8:00 (AM) (PM) Taken 01/20/2013 19 at 8:00 (AM) (PM) Vel on Line: Started 01/21/2013 19 at 8:00 (AM) (PM) Taken 01/21/2013 19 at 8:00 (AM) (PM) Static 1 Orifice Started 01/21/2013 19 at 8:00 (AM) (PM) Taken 01/21/2013 19 at 8:00 (AM) (PM) Static 2 Orifice Started 01/21/2013 19 at 8:00 (AM) (PM) Taken 01/21/2013 19 at 8:00 (AM) (PM) Static 3 Orifice Started 01/21/2013 19 at 8:00 (AM) (PM) Taken 01/21/2013 19 at 8:00 (AM) (PM) Static 4 Orifice Started 01/21/2013 19 at 8:00 (AM) (PM) Static 5 Orifice Started 01/21/2013 19 at 8:00 (AM) (PM) Static 7 Orifice Started 01/21/2013 19 at 8:00 (AM) (PM) Static 7 Orifice Started 01/21/2013 19 at 8:00 (AM) (PM) Static 7 Orifice Started 01/21/2013 19 at 8:00 (AM) (PM) Static 7 Orifice Started 01/21/2013 19 at 8:00 (AM) (PM) Static 7 Orifice Started 01/21/2013 19 at 8:00 (AM) (PM) Casing Tubing Vellbeau Pressure Vellbeaud Pressure Vellbeaud Pressure Vellbeaud Pressure (P, a) e(P,							· .				<u> </u>	<u> </u>
Pressure Buildup: Shut In 01/20/2013 19 at 8:00 (AM) (PM) Taken 01/20/2013 19 at 8:00 (AM) (PM) (PM) Taken 01/20/2013 19 at 8:00 (AM) (PM) (PM) Taken 01/21/2013 19 at 8:00 (AM) (PM) (PM) (PM) Taken 01/21/2013 19 at 8:00 (AM) (PM) (PM) (PM) (PM) (PM) (PM) (PM) (P	ertical De	pth(H)										Run) (Prover) Size
Continue Started O1/21/2013 19 at 8:00 (AM) (PM) Taken O1/21/2013 19 at 8:00 (AM) (PM)			01/	20/2013	R.			- (11/20/20	112	<u> </u>	
Static / Orifice Size Proser Pressure In (n) Pressure In (n) Inches H, 0 Plate Proser Pressure Prise Pressure Poly Pressure Poly Prise Pressure Pressure Pressure Pressure Pressure Pressure Pressure Pressure Poly Prover Pressure Poly Prover Pressure Poly Prover Pressure Poly Prise Poly Pressure Poly Prover Pressure Poly Prover Pressure Poly Pressure Pressure Pressure Poly Prover Pressure Poly Prover Pressure Poly Prover Pressure	ressure B							and the second		10		
Static / Orifice Size Inches Pressure Inches Property Inches P	ell on Lin	ie:	Started 01/	21/2013 19	at	:00	(AM) (PM)	Taken 0	1/21/201	3 19	at 8:00	(AM) (PM)
Comparing Comp			·•			OBSERVE	ED SURFACI	E DATA			Duration of Shut	-In 24 Hours
Flow	ynamic	Size	Meter or	Differential	Temperature	Temperature	Wellhead	Pressure	Wellhe	ad Pressure		1 ' 1
Flow STREAM ATTRIBUTES Plate Coefficient (F ₁) (F ₂) (F ₂) Model Prova Pressure Provaled by Provaled Proval	орепу	inches	psig	Inches H ₂ 0	ι	1		•				
FLOW STREAM ATTRIBUTES Plate Coefficient (F ₂)(F ₂) Morid Palae (P ₂) ² = (P ₂) ² = (P ₂) ² P ₃ = (P ₄) ³ P ₄ = (P ₄) ⁴ P ₄ = (P ₄) ⁴ P	ihut-In						312		294		24	
Plate Coefficient Meter or Prover Pressure Plate (F _b) (F _g) (F	Flow											
Plate Coefficient	<u></u>		<u> </u>	L		FLOW STI	REAM ATTR	IBUTES			<u> </u>	
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 ted therein, and that said report is true and correct. Executed this the	Coeffiecie (F _b) (F _p)		Meter or over Pressure	Extension	Fac	vity tor	Flowing Temperature Factor	De\ Fa	ector	R	(Cubic Fe	eet/ Fluid Gravity
Choose formula 1 or 2: (P _o) ² - (P _o) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ²												
Choose formula 1 or 2: (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ² (P _e) ² - (P _e) ²					(OPEN EL	OWA /DELIN	/EDADII ITV	CALCIII	ATIONS			
Choose formula 1 or 2: 1. P _c ² - P _c ² 1. P _c ² - P _c ² 2. P _c ² - P _d divided by: P _c ² - P _w ² 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 ted therein, and that said report is true and correct. Executed this the Witness (if any) Choose formula 1 or 2: 1. P _c ² - P _w ² LOG of formula 1. or 2. 2. P _c ² - P _w ² and divide Slope = "n" Assigned Standard Slope Standard Slope N x LOG Antilog Open Flow Deliverability Equals R x Antilog Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia)² = =	•	(P \2 =	. '								
Pen Flow Mcfd @ 14.65 psia Deliverability 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 atted therein, and that said report is true and correct. Executed this the Witness (if any) None = "n"						_ ¬				<u>·</u>	(' α/	
pen 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 day of Witness (if any) Witness (if any)	or		P _a) ² - (P _w) ²		formula 1. or 2. and divide	P _c ² - P _w ²	Slop	oe = "n" · or signed		.og	Antilog	Deliverability Equals R x Antilog
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 sted therein, and that said report is true and correct. Executed this the day of States and Company Witness (if any) Witness (if any)			•									1
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 ted therein, and that said report is true and correct. Executed this the day of witness (if any) Witness (if any)						•						
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 ted therein, and that said report is true and correct. Executed this the day of Witness (if any) Witness (if any)	en Flow			Mcfd @ 14 8	5 nsia		Deliverabili	itv			Mofd @ 14 85 pp.	
witness (if any) Witness (if any) Witness (if any) Witness (if any)								-				
Witness (if any) For Company										C16770	<u>vy, 2e</u>	viedge of the facts
For Commission			Witness (if any)			-			For C	Company	11 you
CHOCKED DA			For Comr	mission			_		·	Chec	cked by	

JW 24 2013

KCC WICHITA

		04 on behalf of the operator F.G. Holl Comp statements contained on this application for	
		ased upon gas production records and reco	and the second s
	· · ·	use of the gas well herein named.	
l hereby requ	est a permanent exem	ption from open flow testing for theJ.H. CR	OSS 2-22
	rounds that said well:		
(Check	one)		
	is a coalbed methar	ne producer	
	is cycled on plunge	r lift due to water	
	is a source of natura	al gas for injection into an oil reservoir unde	ergoing ER
	is on vacuum at the	present time; KCC approval Docket No	
\checkmark	is incapable of prod	lucing at a daily rate in excess of 250 mcf/D	
-			
Date: 01/21/20	13		
			ering in the second of the sec
			· ·
			en e
		Signature: Lacres	Mone
			Mense
		Signature:	More

Instructions:

All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under "observed surface data." Shut-in pressure shall thereafter be reported yearly in the same manner.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.