KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Deliverability Test Date:	Type lest:					(,	Job IIISII UCI	IONS ON DEV	9138 3106	,				
Litas Operating LLC SWINGLE 1 County Location Section 30 9W Acres Attributed 40 Acres Attributed 41 Acres Attributed Acr	= '											·- 000)	
Continue	Company Atlas Op		LLC						SLE			1	Well Nu	mber
## PIPE FORMS MISSISSIPPI ONEON Proposition Date O/25/57 Passing Size Weight Internal Diameter Set at Perforations To 4488 4488 4452 11/2 14 5 Set at Perforations To 3/8 4.7 2 Type Completion (Describe) OIL & WATER PUMP DIATI Proposition (Describe) OIL & WATER PUMP DIATI Proposition (Describe) OIL & WATER PUMP DIATI Fressure Taps (Meter Run) (Prover) Size ASSING ONE STREAM ATTRIBUTES Prover Pressure Plants Produced Plants Plants Pressure Plants Produced Pressure Plants Plants Plants Pressure Plants Produced Pressure Plants Produced Pressure Plants Produced Pressure Plants Produced Plants Plants Pressure Plants Pressure Plants Pressure Plants Pressure Plants Pressure Plants Pressure Plants Plants Pressure Plants Pressure Plants Plants Pressure Plants Plan	County KINGMAN		S											
A458 Assing Size Weight Internal Diameter Set at Perforations To 4484 4388 4452 Using Size Weight Internal Diameter Set at Perforations To 378 4.7 2 Purp Lind Production OIL & WATER Pump Unit or Traveling Plunger? Yes / No PUMP UNIT Pressure Taps (Motor Run) (Prover) Size Assing Size Assing Size Assing Size Weight Internal Diameter Set at Perforations To 7 Yep Completion (Describe) OIL & WATER Pump Unit or Traveling Plunger? Yes / No Pump Unit or Traveling Plunger? Pump Unit o	Field SPIVEY	Y GRA	ABS									ection		
Linuing Size Weight Internal Diameter Sel at Perforations To 2 yes Completion (Describe) 13/8 4.7 2 14 5 4484 4398 4452 13/8 4.7 2 15/9 Fluid Production 15			1				k Total Dept	h		Packer S	et at			
A	Casing Si 5 1/2	ize		_	·		Diameter					· -		
CASING Producing Thru (Annutus / Tubing) **Reducing Thru (Annutus / Tubing T	Tubing Si 2 3/8	ize						Set at		Perforations		То		
ANNULUS Ferical Depth(H) Pressure Taps (Meter Run) (Prover) Size (AM) (PM) Taken (AM) (PM) Taken (OPER Prover) Size (Meter Run) (Prover) Size (AM) (PM) Taken (AM) (PM) Taken (OPER Prover) Size (AM) (PM) Taken (OPER Prover) Size (AM) (PM) Taken (OFER Prover) Size (Meter Run) (Prover) Size (AM) (PM) Taken (OFER Prover) Taken (Method Prover) Size (Method Prover			(Describe))		• •		n				Plunger? Yes	/ No	
Pressure Taps	•	•	(Annulus /	Tubing)		% C	arbon Dioxi	de		% Nitrog	en		ravity - (3 ₀
Pressure Buildup: Shut in O9/19 20 11 at 3:00pm (AM) (PM) Taken 09/20 20 11 at 3:00pm (AM) (PM) Paken 09/20 20 11 at 3:00pm (AM) (PM) Paken 20 at (AM) (PM) (PM))					•				· ·	Run) (P	rover) Size
OBSERVED SURFACE DATA Duration of Shut-in 24 Hours		Buildup	: Shut i	09/1	9 20	11 at 3			Taken 09	9/20	20	11 at 3:00p	m ,	(AM) (PM)
Static Orifice Orifi	Well on L	.ine:				at					20	at	((AM) (PM)
Static Orifice Orifi							OBSERVE	D SURFACE	E DATA			Duration of Shut	t-in_24	Hours
FLOW STREAM ATTRIBUTES Plata Coefficient (F _p) (F _p) McId Coefficient (Cubic Feet (McId) (Cubic Feet (McId) (Cubic Feet (Cubic Feet (McId) (Cubic Feet (Cubic Feet (Cubic Feet (Cubic Feet (Cubic Feet (McId) (Cubic Feet (Cubic Feet (McId) (Cubic Feet	Static / Dynamic Property	Size	Prove	Meter r Pressur	Differential e in	Temperature	Temperature	Wellhead (P _w) or (P	Pressure	Wellhe	ad Pressure (P _t) or (P _c)			
FLOW STREAM ATTRIBUTES Plate Coefficient (Fe) (Fe) (Fe) (Fe) (Fe) Prover Pressure pala (OPEN FLOW) (DELIVERABILITY) CALCULATIONS (Pe) ² =	Shut-In							1	psia	parg	para		†	
Plate Coefficient Moter or Prover Pressure pala (P _s) (F _s)	Flow													
Coefficient (F _p) (F _p) Prover Pressure psla Prover Pressure Prover Prover Prover Pressure Prover Prover Pressure Prover Prover Pressure Prover Prover Pressure Prover Prover Prover Prover Pressure Prover Prover Prover Pressure Prover Prover Prover Pressure Prover Prover Pressure Prover Prover Pressure Prover Prover Prover Pressure Prover Prover Prover Pressure Prover Prover Prover Prover Prover Pressure Prover Prov							FLOW STR	REAM ATTR	IBUTES	<u>1</u>		- 		1
P _c) ² = : (P _w) ² = : P _d = % (P _c -14.4) + 14.4 = : (P _d) ² = (P _d) ² - (P _e) ² (P _e	Coefficcient (F _b) (F _p)		Meter Prover Pre	Meter or Extension		Factor		Temperature Factor	F	Factor R		(Cubic Feet		Fluid Gravity
Choose formula 1 or 2: 1. P _c ² - P _s ² or (P _c) ² - (P _d) ² Open Flow Moded by: P _c ² - P _s ² divided by: P _c ² - P _s ² Open Flow Moded by: P _c ² - P _s ² Defiverability Defiverability P _c ² - P _s ² Defiverable P _c ² - P _s ² Defiverability P _c ² - P _s ² Defiverability P _c ² - P _s ² Defiverability P _c ² - P _s ² Defiver						•	, ,	·	-					<u> </u> !07
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledged to refacts stated therein, and that said report is true and correct. Executed this the Stope or not consider the company of the company o	(P _c)* =		_;		: Choose formula 1 or 2:	P _a =		1			 :	ור	1	
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 knowledged in the facts stated therein, and that said report is true and correct. Executed this the Hongard Authorized to make the above report and that he has knowledged in the facts stated therein, and that said report is true and correct. Executed this the Hongard Authorized to make the above report and that he has knowledged in the facts stated therein, and that said report is true and correct. Executed this the Hongard Authorized to make the above report and that he has knowledged in the facts stated therein, and that said report is true and correct. Executed this the Hongard Authorized to make the above report and that he has knowledged in the facts stated therein, and that said report is true and correct. Executed this the Hongard Authorized to make the above report and that he has knowledged in the facts stated therein, and that said report is true and correct. Executed this the Hongard Authorized to make the above report and that he has knowledged in the facts of the facts o	(P _c) ² - (I or (P _c) ² - (I	P _e) ² P _d) ²	(P _c)² - (F	1	1. P _c ² -P _a ² 2. P _c ² -P _c ² Midded by: P _c ² -P _c ³	formula 1, or 2, and divide	P _c ² . P _w ²	Slop As	pe = "n" - or signed	l n x	LOG	Antilog	Del Equals	liverability s 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 knowledged to refer the facts stated therein, and that said report is true and correct. Executed this the Secured this this this think the Secured this this think the Secured think the													RE	CEIVEL
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Witness (if any) Ofarmouca Austin For Company	The	undersi	•	•	behalf of the	Company,		ne is duly au	uthorized		ne above repo	P	CC nas know	Wichn
	he facts s	stated th	erein, and	d that sa	id report is true	and correc	t. Executed	this the <u>10</u>	N-Ro	day of)/() // ()	4108		20
For Commission Checked by		-		Witness (if	any)	<u> </u>		4	(<u> </u>	For (Sompany	<u>~~~</u>	
	-			For Commi	ssion			-			Che	cked by		=

exempt state and that the correct to the of equipme I hereb	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request us under Rule K.A.R. 82-3-304 on behalf of the operator Atlas Operating LLC eforegoing pressure information and statements contained on this application form are true and ne best of my knowledge and belief based upon available production summaries and lease records intinstallation and/or upon type of completion or upon use being made of the gas well herein named by request a one-year exemption from open flow testing for the SWINGLE #1
l furthe	is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER is on vacuum at the present time; KCC approval Docket No is not capable of producing at a daily rate in excess of 250 mcf/D r agree to supply to the best of my ability any and all supporting documents deemed by Commissessary to corroborate this claim for exemption from testing.
Date: 1116	5/2011
	Signature: Palmonica Attaton Title: Regulatory Coordinator

Instructions:

If a gas well meets one of 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 claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been 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 for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.