Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Tes	it:					(See Instruc	tions on Reve	erse Side))					
	pen Flo	w							401	AL 45				
	eliverat				Test Date	:				%`.15 % \`. ⊋⊜	<u> 225 ∙00</u>	700)	
							Lease			<u>0 1 20</u>		Well Num		
Company	•	- o d	io ti on	Inc				tron	2 1- 1	LŻ				
Lobo Production, Inc. County Location			Section		TWP			. Acres Attributed						
Sherman C-NW-NW			12		8S		39W							
Field	man				Reservoir				Gas Gat	hering Connec	ction			
Goodland				Niobrara			KN							
Completi						Total Depth)		Packer S	Set at				
5/:	27/8	82				1031'								
Casing Size Weight			Internal Diameter		Set at 1067'			orations 930 [†]	To	950'				
4.5				Internal Diameter				Perforations			To			
Tubing S	ize		Weigh	nt	Internal D	iameter	Set at		rent	rations				
Type Con	npletio	n (Des	scribe)		Type Flui	d Production	W. 12		Pump U	nit or Traveling	Plunger? Yes /	No		
Sing	le (Gas							0/ 1/2	<u> </u>	. Gas Gr	avity • G		
Producing	g Thru	(Annu	lus / Tubing)	% Carbon	Dioxide			% Nitrog	en		•		
												. 6 Run) (Prov	(er) Size	
Vertical D	epth(F	1)				Pressu	re Taps				·	-		
												eter	_	
Pressure	Buildu	ıp: Si	hut in	1/13 XX	0 <u>0 at 8</u>	3:00	(AM) (PM) 1	raken <u>1</u>	1/14	XiX	00 at 8:00	(^A	M)(PM)	
Well on L	ina		arted	10	ı at		(AM) (PM) 1	Taken		19	at	(AI	M) (PM)	
TAGII ON C	JIIG.	31					V, V,							
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in	Hour	
20000		Circle one: Press		Pressure	Flowing Well H		d Casing		Tubing		Duration	Limited 6	Linuid Broduned	
Static / Dynamic	Orifi Siz		Meter or	Differential	Temperature Temperatu		I Walihaad Praccura		Wellhead Pressure (P _m) or (P _t) or (P _c)		Duration (Hours)	1 -	Liquid Produced (Barrels)	
Property	inch	inches Prover Pres		ure in (h)	t	t	psig	psia p		psia				
Ch. A.In		-	· · · · · ·			• • • • • • • • • • • • • • • • • • • •	19							
Shut-In													•	
Flow								<u> </u>						
						FLOW STR	EAM ATTRI	BUTES						
Plate	, 7	-	Circle one:	Press	Grav	eitre	Flowing	Devi	ation	Metered Flow	GOR		Flowing	
Coeffiecient		Meter or		Extension	Fac		Temperature		ctor	R	(Cubic Fe	- 1	Fluid Gravity	
(F _b) (F _p)		Provi	<i>er Pressure</i> psia	√ P _m x H _w	F,	.	Factor F _{rt}	F	ρν	(Mcid)	Barrel)		G_	
Mcfd					<u></u>		- 11							
								<u> </u>						
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P_)	² = 0.207	,	
(P _c) ² =		•	(P_)² =	: :	P _d =	9	6 (P,	- 14.4) +	14.4 =	<u> </u>	(P _a)			
<u>·· e/</u>				Choose formula 1 or 2:			Backpress	sure Curve		ГЭ		Oper	Flow	
(P _c)² - (I	P _a) ²	(P _c))² - (P_)²	1. P _c ² · P _a ²	LOG of	1	Slope	= "N"	пх	LOG	Antilog	Delive	rability	
(b ^c) ₅ - (b ^d) ₅ or				2. P _c ² · P _d ²	2. P2. P2 1. or 2.		or Assigned				7.11.09		Equals R x Antilog Mcfd	
· · · · ·	· 4'			divided by: $P_c^2 - P_w^2$	by:	P.2 - P.,2	Standa	rd Slope				ļ <u></u>		
					1									
Open Flow McId @ 14.65 psia							Deliverability Mcfd @ 14.65 psia							
Open Flov						·								
The u	undersi	igned a	authority, on	behalf of the Co	ompany, sta	tes that he is	duly authoria	zed to ma	ke the at	ove report and	that he has know	riedge of t	ne facts	
stated ther	rain or	nd that	said report	is true and corre	ct. Execute	d this the _	15	day of	Dec	ember		X X	£00	
a.vu 11181	J., 41		-a.c roport							A	100-	_		
							_		gni	Ford	Company			
			Witness	(if any)						FUL				
			For Com	mission			_			Che	cked by			

I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator <u>Lobo Production</u> , <u>Inc.</u> and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.
I hereby request a permanent exemption from open flow testing for the <u>Armstrong 1-12</u> gas well on the grounds that said well:
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. X is incapable of producing at a daily rate in excess of 150 mcf/D
Date:
Signature: Shuballu Title: Owner/Operator

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.