Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Tes	t:						(See Instr	ructions on Re	everse Side	<i>)</i>					
_		w													
Open Flow Deliverability						Test Date:				AP	No. 15		- A	*	
∐ De	liverai	DIITY							181-20242-00-00						
Company	,							Lease					Well N	umber	
Lobe	o P:	rod	luction	١,	Inc.			Arms	strong	2	2-6				
County Location			Section			TWP	TWP RNG (E/W)			•	, Acres Attributed				
Sherman C NE			IE-	NE 6			8S 39W			W					
Field				,	Reservoir	7			Gas Ga	thering Conne	ction		-		
Goodland			N	liobra		KN									
Completion Date					Plug Bacl	k Total De	pth		Packer	Set at					
3-29-						11	221								
Casing Size			Weig	Weight			Internal Diameter		Set at		orations	То			
4.5			9.5#			4.090		111	1150'		19'	1031'			
Tubing Size			Weight			Internal Diameter			Set at		orations	То			
rubing or	20		**Cig												
Type Con	aplatia	n /De	ecribe)			Type Fluir	d Producti	on		Pump U	nit or Traveling	Plunger? Yes	/ No		
	-					i ype i iuii	u r roducti					,			
Singl				•		0/ 0	Diguido			% Nitro	300 ·	Gas G	ravity -	G	
Producing Thru (Annulus / Tubing							18 76			-	0.6				
Casing					0.2			2.1				(tyleter flemty (Prover) Size			
Vertical D		1)					Pres	ssure Taps				XXX			
1025	<u> </u>										· -		<u> 2"N</u>	<u>leter R</u> ı	
D	D. Hale		Shut in1	1/	13 ₄₈	8 1000	:00	(AM)(PM)	Taken 1	1/14	₩.	00 at 8:0	00	(AM) (PM)	
Pressure	Bullau	-												$\mathbf{\circ}$	
Well on Li	ine:	5	Started		19	at		(AM) (PM)	Taken		19	at		(AM) (PM)	
												·			
							OBSERV	VED SURFAC	E DATA			Duration of Shu	t-in	Hours	
						1	1		1	Tubing		1			
Static / Orification Dynamic Size Property inch		ice Meter or ze Prover Press		- 1	Pressure Differential	Flowing	Well Head	Wellhear	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		ead Pressure	Duration	Liqu	Liquid Produced (Barrels)	
				ure	1	Temperature t	Temperatu t	ra i			or (P_1) or (P_c)	(Hours)	ľ		
					Inches H ₂ 0	<u> </u>	•	psig	psia	psig	psia				
Shut-In							,	32					-		
+										 			-		
Flow										<u> </u>					
		·					FLOW ST	TREAM ATTE	RIBUTES						
							1201101				T	T-		Flowing	
Plate		Circle one: Meter.or			Press	Grav	- 1	Flowing Temperature	1	riation	Metered Flov			Fluid	
Coeffiecient (F _b) (F _p)		Prover Pressure			Extension	Fact		Factor		ctor -	R (Mcfd)	(Cubic F		Gravity	
Mcfd		psia			√P _m xH _w	F,		F,,	'	e pv	(IVICIU)	Dane	,	G _m	
				+-											
				<u> </u>				*****							
						(OPEN FLO	OW) (DELI	IVERABILITY) CALCUL	ATIONS		(D) ² = 0.5	207	
		_	(D. 12		_	•	/ (-				,)- = ,) ² =	207	
(P _c) ² =		<u>=:</u>	(P _w)* =		<u>—:</u>	P _d =		_% (P _c - 14.4) +		 :	<u>'' d</u>	 _		
(D.V.)		/0	12- /P \2		e formula 1 or 2:	LOG of			ssure Curve	• [Γ٦I	•	1	pen Flow	
(P _c) ² - (P _a) ²		(P _c)² - (P _w)²			• •	formula		Slope = "r		nx	LOG	Antilog		Deliverability	
or (P _c)² - (P _d)²					2. P ² P ² 1. or 2.		P2.P2 A		signed			_	Equa	Equals R x Antilog Mcfd	
				divide	d by: Pc2 - Pu2	by:	<u></u>	Stand	lard Slope					1010	
										1					
						-							+		
On an Ela			Mcfd @ 14.65 psia					Deliverabi	II.A		Mctd @ 14.65 psia				
Open Flow	<u>' </u>			N	icia @ 14.6	psia		Deliverabi	ııty			14.05 ps	u		
Theu	ndersi	inned	authority or	heh	alf of the Co	mnany, stat	es that he	is duly autho	rized to ma	ke the at	ove report and	that he has kno	wledge -	of the facts	
								15		Do	cember			№ 0	
stated there	ein, an	id tha	it said report	is tru	e and corre			IVED	day of	1	/			74° <u>~</u>	
						STATE C	ORPORAT	ION COMMISS	SION /	Jel.	<i>-</i>	.D a a			
			tare	li ee						pro	San Ford	Company			
			Witness	ıı any)			DEC 1	9 2000	. 6	/	1011			• • •	
				-1: -1				, E000			Cho	ked by			
			For Com	missio	n						Lned	nou uy			

CONSERVATION DIVISION

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 Lobo Production, Inc. 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 Armstrong 2-6 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
Signature: <u>Ala Sar Aler</u> Title: <u>Owner/Operator</u>

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.