ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	it:		Di	C 2.6 200	1	(See Instruc	ctions on Re	verse Side	<i>)</i>			
□ 0 ₁	oen Fl	ow) Je	}- 26-C	Test Date	.,			ΔĐ	l No. 15		
De	livera	bilty	NC	C WICHIT	A lesi Dai	9.			AF	\'&\'- <u>Ω</u> (`	1268-00	J~ 00
Company							Lease			101 00	76-03 C	Well Number
		rod	uction	. Inc.				nstro	ng	•	1-12A	
County			Local		Section		TWP		RNG (≣∕W)		Acres Attributed
Sherman SW-SW-NW					12		8S		OW WC			
Field				<u> </u>	Reservoi	r				thering Connec	tion	
Good	Lan	d		7. A	Niob	rara				KN		
Completi	on Da	te			Plug Bac	k Total Depti	h		Packer	Set at		
11/1	13/	83			1	231					,	
Casing S			Weigl	nt	Internal C	Diameter	Set a	t	Peri	orations	То	
4.	. 5						130	01'		1163'	1190	•
Tubing S			Weigl	nt	Internal [Diameter	Set a	t	Peri	orations	То	
								,				
Type Con		-	-		Type Flui	d Production	ì		Pump U	nit or Traveling	Plunger? Yes	No
Sing				· · · · · · · · · · · · · · · · · · ·								
Producing	g Thru	(Anr	ulus / Tubing) .	% Carbo	n Dioxide			% Nitro	gen		avity - G _g
											0.6	
Vertical D	epth(H)				Pressi	ure Taps				(Meter I	Run) (Prover Size
				·				.,				Meter Run
Pressure	Builde	ıo.	Shutin 12	2/14/01 19	8 ts 4	:00	(AM) (PM)	Taken 1	2/15	/0119	at8:0	(AM) (PM)
1 1000010	Danat											
Well on L	ine:	. :	Started	19)at		(AM) (PM)	Taken		19	at	(AM) (PM)
											······································	
					,	OBSERVE	D SURFACE	E DATA	,		Duration of Shut-	in Hours
Static /	Oril	ice	Circle one:	Pressure	Flowing	Well Head	Casi		,	Tubing	Duration	Liquid Produced
Dynamic	Si	te e	Meter or Prover Pressu	Differential in (h)	•	Temperature	Welihead Pressure (P _w) or (P ₁) or (P _c)		Wellhead Pressure (P _w) or (P _t) or (P _c)		(Hours)	(Barrels)
Property	incl	105	psig	Inches H ₂ 0	t	'	psig	psia	psig	psia		
Shut-In							1		<u> </u>			
ļ					 	•	23					· · · · · · · · · · · · · · · · · · ·
Flow					٠							
						FLOW STR	EAM ATTRI	BUTES				
			Circle one:	1	<u> </u>	1		7			<u> </u>	Flowing
Plate Coeffieci			Meter or	Press Extension	Grav	·	Flowing emperature		ation	Metered Flow	GOR (Cubic Fe	Eluia
Coeffiecient (F _p) (F _p)		Prover Pressure		√P_xH_	Fact Fact	-	Factor		ctor	R (Mcfd)	Barrel)	Gravity
Mcfd		psia		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			F _p ,		PY 	(,	G _a
						·	,					
				<u> </u>				1				
					(OPEN FLO	OW) (DELIVI	ERABILITY)	CALCUL	ATIONS		(P _*) ²	= 0.207
(P _c) ² =		_:	(P _w) ² =	•	$P_d = 1$	%	6 (P	- 14.4) +	14.4 =	:	(P _d) ²	'=
	Ì			Choose formula 1 or 2:			Backpres	sure Curve		ר א		Open Flow
(P _e)2 - (P	·)*	(P	')3 • (P")3	1. P.2-P.2	LOG of tormula			e = "n"	n x	LOG	Antilog	Deliverability
or (P _c)*• (P	,) :		İ	2. P _c ² · P _d ²	1. or 2. and divide	P. 2 . P. 2	Ass	or igned			Antilog	Equals R x Antilog
				divided by: $P_c^2 - P_u^2$	by:	[Standa	rd Slope				Mcfd
	I		Ì									
						 	 -		+			
											<u></u>	
Open Flow McId @ 14.65 psia			5 psia		Deliverability			Mcfd @ 14.65 psia				
					- po			· ·				
The u	ndersi	gned	authority, on	behalf of the Co	mpany, stat	es that he is	duly authori	zed to mal	ke the ab	ove report and	that he has know	ledge of the facts
	in	- حاد اس		a tonia and	at Evanut-	d thin the	17	don of	Too	rembos		1500
siated there	ın, an	iu ina	ı salo report i	s true and corre	cı. Execule	u (nis (n e		day of	1	Mindy	2	, <i>V</i> 7
								I.o.	List	Ser	don	
			Witness (ii	any)			_	no.		For Co	ompany	
								<i>V</i>				
			For Comm	ission						Check	ed 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 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 1-12A 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. Is incapable of producing at a daily rate in excess of 150 mcf/D
Date: 12/17/01
Signature: <u>felur Laudes</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.