Kansas Corporation Commission ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

RECEIVED

Type Tes	t:		•			(See Instru	ctions on Re	verse Side,)		M	IAP n	7 203	
Open Flow														
Deliverabilty				Test Date	Test Date:			API No. 15- 181-20286-00			GW	CHITA		
									181	- 00d	,6°00.00	Well No	mher	
Company		ъ					Lease Vh	lman		1		*****	ullipe:	
	obc	<u> P</u>		ion, Inc	Section		TWP	Illian _	RNG (E/	W)		Acres /	Attributed	
County Location Sherman S/2 SWSW				33		7s		39W						
Sner Field	mai	1_5	1/2 SWS	W	Reservoi	r				ering Connec	ction			
Goodland					Niob						Productio	n.	Inc.	
Completic						k Total Dep	th		Packer Se			•		
4/11					113	18'								
Casing Size Weight			Internal Diameter		Set at		Perforations		To					
4.5 9			9).5#			1161'		992'		1026'			
Tubing Size Weight				Internal Diameter		Set a	Set at Perforations		ations	То				
Time Con		- /D			Type Flui	id Productio	<u> </u>	<u>**</u> ,	Pumo Uni	t or Traveling	Plunger? Yes /	No		
Type Con Sin					i ype riu	u Fiodaciio	11		1 dinp on					
			as nulus / Tubing)	% Carbo	% Carbon Dioxide			% Nitroge	n	Gas Gravity - G			
Cas		-		•										
Vertical D				······································		Press	sure Taps	<u></u>					rover) Size	
											2" Me	ter	Run	
Pressure	Duild:		Shutin 2/	3/03 10	at at	8 • 00	AM (PM)	Taken 2	/4/03	19	at <u>8:00</u>		(AM) (PM)	
LIGSSUIG	Builde													
Well on Li	ine:		Started	19)at	-	_ (AM) (PM)	Taken		19	at		(AM) (PM)	
· · · · · · · · · · · · · · · · · · ·						OBSERVI	ED SURFACI	E DATA			Duration of Shut-	in	Hours	
i			Circle one:	Pressure		OBSERVI	1		Т.	bing	Duration of Shate	'''	110013	
Static /		rifice Meter or		Differential	Flowing	Well Head Temperature	Wellhead	Casing /ellhead Pressure		d Pressure	Duration	1 .	Liquid Produced	
7		rize Prover Press			Temperature t	t	(P _w) or (P _t) or (P _c)		(P _w) or (P ₁) or (P _c)		(Hours)	((Barrels)	
,			psig	Inches H ₂ 0			psig	psia	psig	psia		 		
Shut-In				-			26							
Flow														
			l	<u> </u>		ELOW ST	REAM ATTRI	BUTES		<u> </u>				
			0:		Т	FLOW 311		J					Flowing	
Plate Coeffieci				Press Extension	Gravity		Flowing Temperature		ation	Metered Flow	GOR (Cubic Fee	ot/	Fluid	
(F _b) (F _p)		Prover Pressure		√ P _m x H _m	Fac	tor	Factor		ctor	, n (Mcfd)	Barrel)	30	Gravity	
Mcfd		psia		m · w		<u></u>	F _n					G _m		
					(OPEN FL	OW) (DELIV	/ERABILITY)	CALCUL	ATIONS		/0.12	= 0.2	07	
P 12 -			(P _w) ² =		P _d =	• •	•	- 14.4) +		:	(P _d) ²			
(P _c) ² =	 7	<u>- · </u>		Choose formula 1 or 2:	<u>-, -</u>									
$(P_c)^2 - (P_a)^2$		(P _c) ² - (P _w) ²		1. P.2 - P.2	LOG of		Backpressure Curve Slope = "n"		n x LOG		·	Open Flow Deliverability		
or (P _c)² - (P _d)²				2. P.2 · P.2	formula 1. or 2.			or	" * 20	,	Antilog	Equals R x Antilog		
$(P_c)^2 \cdot (P_d)^2$				divided by: $P_c^2 \cdot P_w^2$	and divide		P _c P ₂ Assign Standard		, L J				Mcfd	
-·				<u> </u>	†···									
					 			-						
					<u> </u>									
Open Flow Mcfd @ 14.65 p				5 psia		Deliverabili	verability Mo			cfd @ 14.65 psia				
The	nderei	nned	authority on	hehalf of the Co	mnany etat	es that he is	s dulv authori	ized to mal	ke the abov	e report and	that he has knowl	ledge o	f the facts	
		_	-						_					
tated there	in, an	d tha	t said report i	s true and corre	ct. Execute	d this the _	4th	day of	^	March	A -	, 1	19.03.	
									Lohn	YUN.	UIS			
			Witness (if	any)			_		f	For Co	ompany			
							_							
			For Comm	ission						Check	ed by			

exempt status under Rand that the foregoing the best of my knowle tion and/or of type con	enalty or perjury under the laws of the state of Kansas that I am authorized to request tule K.A.R. 82-3-304 on behalf of the operator Lobo Production, Inc. information and statements contained on this application form are true and correct to edge and belief based upon gas production records and records of equipment installampletion or upon use of the gas well herein named. permanent exemption from open flow testing for the Kuhlman 1 ds that said well:
is is is is	a coalbed methane producer cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER on vacuum at the present time; KCC approval Docket No incapable of producing at a daily rate in excess of 150 mcf/D 250
	Signature:Sandus

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.