15-181-20239-00.00 KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

MAR 0 7 633

Type Tes	it:					(See Instruc	ctions on Rev	erse Side)			KCC WWW.
Open Flow			Test Date: API No. 15									
D€	elivera	bilty					<u> </u>				·	
Company		D	-d	T			Lease				2 2	Well Number
Lobo Product					Section	Armstrong tion TWP		rong	RNG (E/W)		2 – 2 . Acres Attributed	
County Sherman		Locat N	W NW	2		8S		•	9W	·		
Field					Reservoi	r				hering Connect	ion	
Goodland					Niobrara			Lobo Produ				on, Inc.
Completi	on Da	te			_	k Total Dept	h		Packer S	Set at		
	.0/8	33				054					То	
Casing Size		Weigh	Weight		Internal Diameter		Set at 1062 '		rations 970 *	990 '		
4.5 Tubing Size		Weigh	nt	Internal Diameter		Set at		Perforations		То		
Type Con	nalotic	n /D	accribe)		Type Flui	d Production	1		Pump Ur	nit or Traveling F	Plunger? Yes	/ No
• •	•				1900110		•				·	
Sing. Producing	a Thru	(Anr	s nulus / Tubing)	% Carbo	n Dioxide			% Nitrog	en	Gas Gr	avity - G _g
	•	•	,								0.	6
Vertical D	epth(H)				Press	ure Taps				(Meter l	Run) (Prover) Size
											2"	Meter Rur
Pressure	Builde	up:	2/3 Shut in	/0319	at 8	:00	(AM) (PM)	Taken _2	/4/03	3 19 _	at <u>8:00</u>	(M)(PM)
Well on L		-										(AM) (PM)
•							D SURFACE					in Hours
			Circle one:	Pressure		T	Casir		T -	Tubing	Julation of Shat	
Static /	Orii		Meter or	Differential	Flowing	Well Head Temperature	Wellhead P	ressure	Wellhe	ad Pressure	Duration	Liquid Produced
Dynamic Property	Siz		Prover Pressu	, , ,	t	t	(P _w) or (P _t			(P _t) or (P _c)	(Hours)	(Barrels)
			psig	Inches H ₂ 0		 	psig	psia	psig	psia		
Shut-In						ļ	18			- 		
Flow						<u> </u>						
				 	. , 	FLOW STE	EAM ATTRI	BUTES	т		<u> </u>	
Plate	t .		Circle one:	Press	Grav	rity	Flowing	Devi	ation	Metered Flow	GOR	Flowing Fluid
Coeffiecient (F _b) (F _p)		Pro	Meter or over Pressure	Extension	Fac	ior	Temperature Factor		ctor	R	(Cubic Fe Barrel)	et/ Gravity
(r _b) (r _i Mcfd			psia	√P _m x H _w	F,	•	F _{it}		pv	(Mcfd)	Dairei	G _m
					OPEN FLO	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(D.)	2 - 0.207
(D. \2			/D \2		P _a =	• •	•	- 14.4) +		:	(P _a) ⁽	² = 0.207 ² =
(P _c) ² =	: .: <u></u>	- -	(P _w) ² =	Choose formula 1 or 2:	<u> </u>		T					
(P _c)² - (F)2	(P)2 · (P_)2	1. P _c ² · P _a ²	LOG of formula		Slope	sure Curve r = "n"	nxl	og		Open Flow Deliverability
or (P _a)2 • (P	3 12 I			2. P _c ² -P _d ²	1. or 2.		, ,	or gned			Antilog	Equals R x Antilog
(1,2,2,4)	ره			divided by: $P_c^2 \cdot P_w^2$	by:	P.2 . P.2		d Slope				Mcfd
Open Flow Mcfd @ 14.65 psia				psia	osia Deliverability			Mcfd @ 14.65 psia				
The u	ndersi	igned	authority, on	behalf of the Co	mpany, stat	es that he is	duly authoriz	zed to mai	ke the abo	ove report and ti	nat he has know	ledge of the facts
tated there	ain or	nd the	it said renort i	s true and corre	ct. Execute	d this the	4th	day of	Mar	ch		, 19'_03
יימיפט יוופונ	eni, di	is tild	ı, said iehoiti	5 1145 BIIG CUII 61	<u>-</u>			, •	101			•
									HOM	vana	<u> </u>	
			Witness (i	any))	For Cor	прапу	• • •
		 -	For Comm	ission						Checke	d by	

exempt status under and that the foregone the best of my known tion and/or of type I hereby reques	r penalty or perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator <u>Lobo Production</u> , <u>Inc.</u> bing information and statements contained on this application form are true and correct to ewledge and belief based upon gas production records and records of equipment installacompletion or upon use of the gas well herein named. Stapermanent exemption from open flow testing for the <u>Armstrong</u> 2-2 bunds that said well:
(Check of Check of Ch	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 250
	Signature:

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.