KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

CHEYENNE N/2 SE 20 4 4.1 W PRINTED CHERRY CREEK NIOBRARA CHERRY CREEK NIOBRARA Reservoir NIOBRARA NIOBRARA Reservoir Reser	Type Test:			(See Instruc	tions on Rev	erse Side)				
	Open Flow	w		Test Date	a:			ДРІІ	No. 15			
ADANS-MCATEE 4-20 County Location N/2 N/2 SE 20 TWP RIVG (EW) Acres Attributed CHEYENNE N/2 N/2 SE 20 TWP RIVG (EW) Acres Attributed CHEYENNE N/2 N/2 SE 20 TWP RIVG (EW) Acres Attributed Acres Attr	√ Deliverabi	ilty								00		
CHEYENNE N/2 SE 20 4 4.1 W PRESENTED THE PROPERTY CREEK NIOBRARA NIOBRA NIOBRARA NIOBRA NIOBRA NIOBRARA NIOBRA NIOBRARA NIOBRA NIOBRA NIOBRA NIOBRA NIOBRA NIOBRA NIOBRA NIOBR		DUCTION, INC	C.				S-MCAT	EE			Well Number	
CHERRY CREEK NIOBRARA NIOBRARA Plug Back Total Depth 1311 Packer Set at 1311 Refrorations To 1220 Tubing Size Weight Internal Diameter Set at Perforations To 1220 Tubing Size Weight Internal Diameter Set at Perforations To 1220 Tubing Size Weight Internal Diameter Set at Perforations To 1220 Type Competion (Describe) Type Competion (Describe) Type Competion (Describe) Type Fluid Production Pump Unit or Treveling Plunger? Yes / No NO SINGLE GAS Refroration Production Truck (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G, 5956 Substitute of the Pressure Taps (AM) (PM) Taken 10/21 20 11 at 09:00 American Substitute of Production Substitute of Production Production Trucking Production To Shut-in In Horizon Production To Shut-in Production Production Production To Shut-in Production To Shut-in Production To Production Production To Shut-in Production To Production									()	Acres Attributed		
State Casing Size Weight Internal Diameter Set at Perforations To 1220' Tubing Size Weight Internal Diameter Set at Perforations To 1220' Tubing Size Weight Internal Diameter Set at Perforations To 1220' Tubing Size Weight Internal Diameter Set at Perforations To 1220' Tubing Size Weight Internal Diameter Set at Perforations To 1220' Tubing Size Weight Internal Diameter Set at Perforations To 1220' Tubing Size Weight Internal Diameter Set at Perforations To 1220' To Size S		REEK NIOBRA	ARA									
Tubing Size Weight Internal Diameter Set at Perforations To Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Yes / No NO Producing Thru (Annulus / Tubing) CASING CASING Prossure Taps Character Taps Ch	•	e			k Total Dept	th		Packer S	et at			
Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Yes / No				Internal Diameter						· ·		
Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitirogen Gas Gravity · G ₂ .5956 Vertical Depth(H) T.D. 1346' Pressure Buildup: Shut in 10/20 20 11 at 09:00 Alb (PM) Taken 10/21 20 11 at 09:00 Alb (PM) Taken 10/21 20 at (AM) (PM) Well on Line: Started 20 at (AM) (PM) State Original Pressure Pressur	Tubing Size	ubing Size Weight		Internal Diameter Se		Set at	:	Perforations		То		
CASING Vertical Depth(H) CD 1346' Pressure Taps (Meter Run) (Prover) Size Pressure Buildup: Shut in 10/20 20 11 at 09:00 CMD (PM) Taken 10/21 20 11 at 09:00 CMD (PM) Taken 20 11 a				Type Flui	d Production	1		Pump Uni		Plunger? Yes	/ No	
T.D. 1346' Pressure Buildup: Shut in 10/20 20 11 at 09:00	Producing Thru (Annulus / Tubing) CASING			% Carbon Dioxide			% Nitrogen			•		
Pressure Buildup: Shut in 10/20 20 11 at 09:00 (PM) Taken 10/21 20 11 at 09:00 (PM) Well on Line: Started	Vertical Depth(H T.D. 1346'	1)		1	Pres	sure Taps						
Static Orifice Orifi		p: Shut in 10/2	20 2	11 at 0	9:00	(PM)	Taken 10	/21	20 _			
Static / Orifice Original Property (inches) Property Property (inches) Property (inc	Well on Line:	Started	2			(AM) (PM)	Taken		20 _	at	(AM) (PM)	
Static / Orifice Size Property (Inches) Property Prossure Prosery Property Property Property Shut-In Flow Shut-In Flow Shut-In Flow Control Property Flow Property Flow Flow Flow Flow Flow Flow Flow Flow					OBSERVE	D SURFACE	DATA			Ouration of Shut-i	n_24.00 Hou	
FLOW STREAM ATTRIBUTES Plate Coefficient (F ₂) (F ₃) McId Prover Pressure psia Pianum (P ₂) Prover Pressure psia Pressure psia Pressure psia Pressure psia Prover Pressure psia Pressure Prover Pressure psia Pressure Prover Pressure psia Pressure Prover Pressure psia Pressure Prover Pressure Prover Pressure Prover Pressure Prover Pressure Pressure Pressure Prover Prover Pressure Press	Static / Orifice Meter Differentia Property (inches) Prover Pressure in		Differential in	Temperature Temperature		Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)			•	
FLOW STREAM ATTRIBUTES Plate Coefficient (F _p) (F _p) Mctd Coefficient (F _p) (F _p) Mctd Prover Pressure Prior Prior Prior Pressure Pressu	Shut-In	psig (Fili)	Inches H ₂ 0				psia	psig	psia			
Plate Coefficient (F _b) (F _p) Meter or Prover Pressure psia OPEN FLOW) (DELIVERABILITY) CALCULATIONS (P _c) ² = : (P _c) ² =	Flow											
Coefficient (F _b) (F _p) (P _p) (Mcld) Meter or Prover Pressure psia Coefficient (F _b) (F _p) (P _p) (Mcld) Meter or Prover Pressure psia Coefficient (F _b) (F _p) (P _p) (Mcld) Coefficient (F _b) (F _p) (Mcld) Coefficient (F _b) (F _p) (Mcld) Factor F					FLOW STR	EAM ATTRI	BUTES					
P _c) ² = : (P _w) ² = : P _d = % (P _c -14.4) + 14.4 = : (P _d) ² =	Coeffiecient (F _b) (F _p)	Meter or Prover Pressure	Extension	Fact	tor 1	Temperature Factor	Fac	ctor	R	(Cubic Fee	Fluid Gravity	
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ² divided by: P _c ² - P _w ² divided by: P _c ² - P _w ² or (P _c) ² - (P _d) ² divided by: P _c ² - P _w ² divided by: P _c ² - P _w ² divided by: P _c ² - P _w ² divided by: P _c ² - P _w ² divided by: P _c ² - P _w ² divided by: P _c ² - P _w ² divided by: P _c ² - P _w ² Deliverability Open Flow Slope = "n" Assigned Standard Slope NOV 2 1 2 Open Flow NOV 2 1 2 The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of						-						
or (P _c) ² - (P _d) ² Open Flow Mcfd @ 14.65 psia Deliverability Deliverability Slope = 4n In x LOG Antilog Antilog P ² - P ² Antilog RECEIVE NOV 2 12 Deliverability Nov 2 12		C	hoose formula 1 or 2	:		T		14.4 =	: :	(P _d) ²		
Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia CC WICH The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of			2. P _c ² -P _d ²	formula 1. or 2. and divide p 2 p 2		or Assigned				Antilog	· •	
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of				10.0		1	·	<u>'</u>			NOV 2 1 2	
	Open Flow		Mcfd @ 14.	65 psia		Deliverabil	ity	 .		cfd @ 14.65 psia	KCC MICE	
the facts stated therein, and that said report is true and correct. Executed this the 15th day of November 20 11	•	•				•			e above report		s knowledge of	
11/1/1/ milli	ne facts stated th	nerein, and that sai	d report is true	and correc	t. Executed	this the 15	in /	Say of No	yember	mil	, 20 11	
Witness (if any) Witness (if any) Witness (if any)		Witness (if	any)	• .			44	Mu	A. For Cor	mpany	V	

exempt statu	under penalty of perjury under the laws of the state of Kansas that I am authorized to request sunder Rule K.A.R. 82-3-304 on behalf of the operator LOBO PRODUCTION, INC. foregoing pressure information and statements contained on this application form are true and
of equipmen	best of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. request a one-year exemption from open flow testing for the ADAMS-MCATEE 4-20
(I further	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 not capable of producing at a daily rate in excess of 250 mcf/D agree to supply to the best of my ability any and all supporting documents deemed by Commissions sary to corroborate this claim for exemption from testing.
Date: 11/15	Signature: Sund A- Mills Title: OWNER/OPERATOR

Instructions:

If a gas well meets one of 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 claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been 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 for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.