## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

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Open Flow   Test Date:   API No. 15	Type Test						(See Instruc	ctions on Reve	rse Side)	)					
Deliverability  I Lease  Armstrong 1—12  Armst			NA/									A	JAR 1	7 2003	
ATTISTIONS 1-12 LObo Production, Inc.  ATTISTIONS 1-12 Lobo Production, Inc.  ACTION OF Section TWP 8S 39W  Gas Gathering Connection Niobrata Reservoir Niobrata Reservoir Niobrata Reservoir Niobrata Reservoir Niobrata Plug Back Total Delph 1031  For 1031	= '					Test Date	:			• • • •	No. 15 つくへつ	\5.~^\°	O	) <i>( (</i> (400)	
ATTISTIONS 1-12 LObo Production, Inc.  ATTISTIONS 1-12 Lobo Production, Inc.  ACTION OF Section TWP 8S 39W  Gas Gathering Connection Niobrata Reservoir Niobrata Reservoir Niobrata Reservoir Niobrata Reservoir Niobrata Plug Back Total Delph 1031  For 1031		liverat	mly							187	· 4000	NO WE	Well No	mber	
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Section Section C-NN-NW 12	Lobo	Pı	cod						LEGII				Acres A	ttributed	
In or man	County														
NioDeara   Loho Production   Inequal point   Plag Back Total Depth   1031   Percentalions   To   1057   930   950   4.5		nan		<u>C-</u>	NW-NW			0.5				tion			
Plage Back Total Depom proposed authority. Cen behalf of the Confession of the Processor of Part of the Confession of the Processor of Part of	Field												on	Tna	
ompletion Date  5/27/82  1031  Set at 1031  4.5  Weight Internal Diameter Set at 1067  4.5  Uniting Size Weight Internal Diameter Set at 1067  4.5  Uniting Size Weight Internal Diameter Set at 1067  From Uniting True (Annulus / Tubing)  From Completion (Describe)  Type Fluid Production  Pump Unit or Traveling Plunger? Yes / No  Sing 1 = C as  O. 6  Meter Run  Pressure Taps  Internal Diameter Set at Pertorations  To  Pump Unit or Traveling Plunger? Yes / No  Sing 1 = C as  O. 6  Meter Run  Pressure Taps  Internal Diameter Run  OBSERVED SURFACE DATA  Duration of Shul-in  Hour Tubing  Duration of Shul-in  Hour Run  OBSERVED SURFACE DATA  Duration of Shul-in  Hour Run  Duration of Shul-in  Hour Run  Pressure Research  Pressure Research  Pressure Research  Pressure Run  OBSERVED SURFACE DATA  Duration of Shul-in  Hour Run  Inches 1,0  Pressure Research  Pressure Run  Tables Pressure  Run  Tubing  Tubi												Producti		-L-14-0-	
Internal Diameter   Set at	•							rı		, aono.		•			
A . 5  weight internal Diameter Set at Perforations  Type Fluid Production  Pump Unit or Traveling Plunger? Yes / No  pressure Buildup: Shut in 2/3/03 19 at 8±00 AM) (PM) Taken 2/4/03 19 at 8±00 (Meter Run) (Prover) Size  2" Meter Run  ressure Buildup: Shut in 2/3/03 19 at 8±00 AM) (PM) Taken 2/4/03 19 at 8±00 (Meter Run)  set on Line: Started 19 at AM) (PM) Taken 19 at 3±00 (Meter Run)  OBSERVED SURFACE DATA  OUTGION of Shul-In  Hourd  Temperature (P <sub>1</sub> ) = Prover Pressure (P <sub>1</sub> ) = Pressure (P <sub>1</sub>			<u>82</u>					Set at		Perio	rations	То			
Description   District   Distri	-			Weigl	nt	internar D	iameter		7'			950 <b>'</b>			
price Completion (Describe)  Type Fluid Production  Type Fluid Production  Pump Unit or Traveling Plunger? Yes / No				141 1-1		Internal D	iameter					То			
Started   Continue	Tubing Si	ze		Weigi	11	IIIIGITIAI D	Idilietoi								
Started   Continue						Type Fluid	d Production			Pump U	nit or Traveling	Plunger? Yes /	No		
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entical Depth(H)  Pressure Taps  O. 5  Viewer Run) (Prover) Size  2" Meter Run (Merer Run) (Prover) Size  2" Meter Run  (Meter Run) (Prover) Size  2" Meter Run  (Meter Run) (Prover) Size  2" Meter Run  (Meter Run) (Prover) Size  (Meter Run) (Prover) (Prover) Size  (Meter Run) (Prover) (Prover) Size  (Meter Run) (Prover) (Prov	Sing.	<u>le</u>	Gas		<u> </u>	% Carbon	Dioxide			% Nitrog	en -	Gas Gr	avity - (	à	
Continue	Producing	ginru	(Ann	นเนร / เนอเกฐ	,	/6 QU/DOI	Dioxido			_		0	.6		
resoure Buildup: Shut In 2/3/03 19 at 8+00 AM) (PM) Taken 2/4/03 19 at 8+00 (AM) (PM) Field on Line: Started 19 at (AM) (PM) Taken 1							Prace	ure Tans						rover) Size	
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Started   19 at   AM) (PM)   Taken   19 at   AM) (PM)   Taken   19 at   AM) (PM)														~	
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Static / Orifice   Crose on:   Pressure   Differential in (i)   Inches H <sub>2</sub> O   Differential in (i)   Differen												Dtion of Chut	in	Hours	
Static / Prisouries   Confider   Prisouries   Confider   Prisouries   Confider   Prisouries   Confider   Prisouries   Confider   Co		•					OBSERVI	ED SURFACE	DATA	·		Duration of Shut-	<u>''''</u>	110013	
Continue	Statio /	Orif	ice		1	Flowing	Well Head			1	- 1	Duration	Liqu	id Produced	
Inches   Paig   Inches   Paig   Inches   Paig   P	Dynamic	Meter or Differential Temperature Temperature Wellhead Pre			*   ····		(Hours)		(Barrels)						
FLOW STREAM ATTRIBUTES  Plate Coefficient (F, ) (F, ) Motrd  Pian  Press Extension Factor Factor Fin Motrd  Coefficient (F, ) (F, ) Motrd  Coefficient Factor Factor Factor Factor Fin  Coefficient Fin  Coefficien	Property	inct	165	1	1 1 1 1	t	t						<u> </u>		
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Plate Coefficient (F <sub>2</sub> )(F <sub>2</sub> ) Plate Pissure Pressure Pissure	Shut-In							17		<del> </del>			+-	<u> </u>	
Plate Coefficient Meter or Prover Pressure Prover Pressure Pactor Factor	Flow							1							
Plate Coefficient Meter or Prover Pressure Prover Pressure Pactor Factor				L			FLOW ST	REAM ATTRI	BUTES						
Coefficient Pater or Prover Pressure Pater Factor F	<del></del>				T		72011 311		T					Flowing	
Coefficient  (F <sub>a</sub> ) (F <sub>a</sub> )  McId  Coefficient  (F <sub>a</sub> ) (F <sub>a</sub> )  (F <sub>a</sub> )  Coefficient  (F <sub>a</sub> ) (F <sub>a</sub> )  (F <sub>a</sub> )  Coefficient  (F <sub>a</sub> )  (F <sub>a</sub> )  Factor  F <sub>actor</sub> A <sub>actor</sub> Antilog	Plate	•				Grav	/it <b>y</b>	•					at/	Fluid	
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS  (P <sub>a</sub> ) <sup>2</sup> =		Coomocions			ł		tor	•						Gravity	
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS  (P <sub>a</sub> ) <sup>2</sup> =			• • •		V P <sub>m</sub> x H <sub>m</sub>	"	1	F <sub>it</sub>	'	Pv	(			G.,	
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Checked by						(OPEN FL	OW) (DELI\	/ERABILITY)	CALCUL	ATIONS				<u>2</u> 07	
Checked by  Choose formula 1 or 2:  (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> · (P <sub>y</sub> ) <sup>2</sup> (P 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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 1-12 gas well on the grounds that said well:
Check one)   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.