## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type res	t:						(See msirt	ictions on He	everse Side	"					
Open Flow Deliverabilty						Test Date	<del>)</del> :			API	No. 15 119-	20,770-	00	00	
Company Cobra Oil & Gas Corpor					ornora	tion		Lease	Lease Stern "35"			Well Number			
County		Loca		orbora	Section		TWP			:/W)	<del></del>		Attributed		
Meade			25041077			35		<b>3</b> 1 s			,		ACICS F		
Field						Reservoi	r	<del></del>		Gas Gat	hering Connection				
Hockett, SE					Chest				Englewood Corpora			n			
Completion Date					Plug Back Total Depth			Packer Set at							
11/9/87				5617 Internal Diameter			5454'								
Casing Size 4-1/2"			Weight 11.6#			3.995			Set at 5679 <b>'</b>		rations 5509'	т <sub>о</sub> 5591'			
Tubing Size			Weight			Internal Diameter		Set at		Perforations		To		<del></del>	
2-3/8"			4.7#			1.995	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		5519'		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Type Corr	pletio	n (De					d Production			Pump U	nit or Traveling Pi	lunger? Yes	No		
Sing															
_		(Ann	ulus / Tubin	g)		% Carbon	n Dioxide			% Nitrog	jen	Gas Gr			
Tubi		<del></del>				·-··					3.000				
Vertical D	epth(H	1)					Pres	sure Taps				(Meter I	Run) (Pi	rover) Size	
Pressure I	Buildu	p: {	Shut in	٠,	3/16 <sub>24</sub>	0 <u>11 at 7</u>	':30 A	М(АМ) (РМ)	Taken		9/16_2601		<u>AM</u>	——— (AM) (PM)	
Well on Li											19				
									10.011			8(		(AW) (FW)	
			<del></del> _				OBSERV	ED SURFAC	E DATA	_	D	uration of Shut-	in	24Hou	
Static /		Ortifice Size Mater of Prover Pres			Pressure Differential	Flowing	Well Head		Casing Wellhead Pressure		Tubing ead Pressure	Duration	Liquid Produced		
Dynamic Property						Temperature t	Temperature t	A I	(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>5</sub> )		r (P <sub>L</sub> ) or (P <sub>E</sub> )	(Hours)	(Barrels)		
,,,,,				Inches H <sub>2</sub> 0		•	<u> </u>	psig psia		psig	psia		.ļ <u>.                                 </u>		
Shut-In							ĺ	İ	185		183	24			
Flow		:												,	
			·		l		FLOW ST	REAM ATTE	RIBUTES	-L			1		
Plate			Circle one: Pros			Gravity		Flowing Devla		lation Metered Flow		GOR		Flowing	
Coefficient (F <sub>p</sub> ) (F <sub>p</sub> ) Mcfd		Meter or Provor Pressure psia		Extension S P <sub>m</sub> x H <sub>w</sub>		Fact	tor	Temperature Factor	perature Fact		A	(Cubic Fe		Fluid Gravity	
						F,	•	F <sub>11</sub>		Fpv	(Mcld)	Barrel)		G <sub>m</sub>	
						<del></del>									
	1,		_			(OPEN FL	OW) (DELIV	VERABILITY	) CALCUL	ATIONS		(P.)	² = 0.2	 207	
o°), =		_:	(P_)2		:	$P_d =$		% (	P <sub>c</sub> - 14.4) 4	· 14.4 =	:	(P <sub>a</sub> )			
(2)1			(0.12.00.12		se formule 1 or 2:			Backpressure Curve						Open Flow	
(P <sub>c</sub> )2 - (P <sub>a</sub> )2 or		(P <sub>a</sub> )*-(P <u>u</u> )*		1. P. P.		LOG of formuta		Slope = "n"		_   n x	rog	Antilog	Deliverability		
(P <sub>e</sub> )2-(P <sub>d</sub> )2				2. P <sub>e</sub> z - P <sub>e</sub> z		1. or 2.		Assigned				74 talog	Equals R x Antilog		
				divid	ed by: P.2 - P.3	by:	<u> </u>	Stand	fard Slope				ļ	Mcfd	
													<u> </u>		
pen Flow Mcfd @ 14.65 psia							Deliverabi	Deliverability Mcfd @ 14.65 psia							
The ur	ndersiç	gned	authority, or	ı bel	nalf of the Co	mpany, stat	tes that he i	is duly autho	rized to ma	ake the ab	ove report and th		-		
ated there	in, and	d tha	t said report	is tr	ue and corre	ct. Execute	d this the _	, <u> </u>	day o	t	· · · · · · · · · · · · · · · · · · ·	R	<u>ECE</u> I	KED	
			1ABinas -	/10	·	· 	<del> </del>	-				SE	P 2 (	5 2011	
			Witness	(ıı any	,						For Con	npany			
			For Com	missio	ın .	<del></del>					Checke	aby KCC	; ₩H	CHITA	

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 <u>Cobra Oil &amp; Gas Corporation</u> 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 <u>Stern 35 #1</u> 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.  X is incapable of producing at a daily rate in excess of 150 mcf/D
Date: 9/22/11
Signature: Drlg & Prod Asst

## **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.