KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:				(See Instruc	tions on Rev	erse Side	<i>)</i>					
✓ Open Flow							ACIL	lia 4E						
Deliverability			Test Date: 10/24/2010				API No. 15 155-21444							
Company					192	2/2	Lease		والمستحدد والمشيون والمستحد	and the second section of the		Vell Nu	mber	
		ım C	Company, LL	.C			Calvin				1-21			
County Location			Section		TWP		RNG (E/W)		•	Acres Attributed				
Reno NE/4				21	<u> </u>	248		9W		مناء ومستعددة فيلا القيشية أعطاها وعقابنا ويبرون زيزين	160			
Field				Reservoir				Gas Gathering Connection West Wichita Gas Gathering						
Pievna				Mississippi Plug Back Total Depth				Packer Set at						
Completion Date 2000				4170'			N/A							
Casing Size 5 1/2"			Weight 14#		Internal Diameter		Set at 4222'		Perforations 3782'		то 3794'	3794'		
Tubing Size Weight 2 7/8"				Internal Diameter			Set at Perforati 3835'			То		·······		
Type Completion (Describe)				Type Fluid Saltwa	d Production	n		Pump Uni Pumpir	t or Traveling I ng Unit	Plunger? Yes	/ No			
Gas Producing Thru (Annulus / Tubing)				% Carbon Dioxide				% Nitrogen Gas Gravity - G _g				g		
Annulus	-	(c3(11)	(140m/g)											
Vertical D		<u> </u>				Pres	sure Taps		·		(Meter F	lun) (Pi	over) Size	
	~~~~~~ <u>~</u>	-		_							***************************************			
			11	11/6 -	10 - 3	3:20	(ALA) SEÀ	Taken	10/27	20 4	6 at 3,20	2(	AM) (M)	
Pressure	Buildup	o: \$	Shut in	2	02 <u>0</u> ar_ <u>0</u>		(AMI) (FINI)	IGNOT					AAA (DAA)	
Well on L	ine:	5	Started	2	0 at		(AM) (PM)	Taken		20	al		AIVI) (FIVI)	
						والمخاطعة والمراج	0405404	CATA			Duration of Shut-	in	Hours	
					<u> </u>	OBSERVI	ED SURFACE		T 7	ubing	Julation of Shot	T		
Static /	Orific	i meier i Dilleleilliai			temperature temperature		Wellhead	Casing Wellhead Pressure		Wellhead Pressure		Duration Liquid Produced (Barrele)		
Dynamic Size Property (inche		Prover Pressure in					(P _W ) or (P ₁ ) or (P _c )		(P _w ) or (P _c ) or (P _a )		(Moura)			
7 Toperty	(		psig (Pm)	Inches H ₂ 0	1 2 2	111		psia d	psig	paia	211.			
Shut-in						6/0	275	2094			27	-		
Flow								4						
	L			<del>مرتف منافرین در بریدا آن</del>	1	FLOW ST	REAM ATTR	IBUTES						
							Flowing				GOR		Flowing	
Plate Coeffiecient (F _b ) (F _p ) Mcfd		Circle one: Metër or Prover Pressure psia		Press Extension	Gra	vity	Temperature	1	viation actor	Metered Flow	(Cubic Fe	et/	Fluid	
				√ P _x h	F		Factor		F	(Mcfd)	Barrel	)	Gravity G _m	
							F _{ft}				_			
ľ			Ì											
					(OPEN FL	.OW) (DELI	VERABILITY	) CALCU	LATIONS		(P _a	) ² = 0.1	207	
(P _c ) ² =			(P_)2 =	. :	P _d =		_% (i	و (14.4 - _ه	+ 14.4 = _	:	(P _d	) ² =		
(' a'		<u> </u>		Choose formula 1 or	2:		Backpre	ssure Curv	е	Г٦		0	pen Flow	
(P _c ) ² · (P _a ) ²		(f	P _c ) ² - (P _w ) ²	1. P.2 - P.2	1. P.2. P.2 LOG of formula		Siop		n x	LOG	Antilog		Deliverability	
or (P _c ) ² - (P _d ) ²				2, P _a - P _d 2	2, P2-P2 1. or 2.		2 D 2 Assigned						Equals R x Antilog (Mcfd)	
٠٠,٠٠٠	` 0'			divided by: P.2 - P.	2 by:	<u> </u>	Stand	lard Slope				+	· · · · · · · · · · · · · · · · · · ·	
												ļ		
		L	Mcfd @ 14.65 psia				Deliverability			Mcfd @ 14.65 psia				
Open Flo											·			
				n behalf of the		ct. Execut	ed this the	uthorized	to make t	he above repo	ort and that he to	ras kno	, 20 <u>/</u>	
						ME!	PEIVEL							
			Witness (	if any)		NOV	0 3 201	0 —	7	For	Company			
			For Comm	nission						Che	cked by			

KCC WICHITA

exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Hesse Petroleum Company, LLC and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for the Salvin 1-21 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. is not capable of producing at a daily rate in excess of 250 mcf/D  I further agree to supply to the best of my ability any and all supporting documents deemed by Commiss staff as necessary to corroborate this claim for exemption from testing.	ion
Pate: ///2/10  RECEIVED  NOV 0 3 2010  KCC WICHITA  Signature: Partner	

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.