KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

强烈 > @

Type Test	::		•	(See Instru	ctions on Re	verse Side)			
√ Op	en Flow										
Deliverabilty			Test Date	Test Date: 10/26/20/0				API No. 15 155-21271 - 00 -00			
Company Hesse P		m Company,	LLC	10/2	26/20	Lease Bowen	, in the state of	10.	J-21271		Well Number
County Location Reno N/2 NW/4			Section 29		TWP 23S			/W)		Acres Attributed	
Field Zenith P	eace Cı	eek		Reservoi Viola	Reservoir Viola			Gas Gathering Connection West Wichita Gas Gathering			
Completion Date 1991			Plug Back Total Depth 3825'			Packer Set at N/A					
Casing Size Weight 5 1/2" 14#			Internal Diameter			Set at Perf 3851' 365		orations 8'	то 3668'		
Tubing Size Weight 2 3/8"			Internal (Set : 368		Perforations		То			
Type Completion (Describe) Type Fluid Production Gas Type Fluid Production Oil & Saltwater Pump Unit or Traveling Plunger? Yes / No Pumping Unit						/ No					
Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G _g Annulus							avity - G _g				
Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size								Run) (Prover) Size			
Pressure Well on L			•					,		<u>/o</u> at <u>2:2:</u> at	
					OBSERV	ED SURFAC	E DATA			Duration of Shut-	n Hours
Static / Orific Oynamic Size Property (inche		Meter Provet Press	Pressure Differential in Inches H ₂ 0	Temperature Tempera		(P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_a)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In		poig (i m)	110103 7120		670	55	69,4	psig	psla	24	
Flow											
			1		FLOW ST	REAM ATTR	IBUTES				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle ane: Meter or Prover Pressure psia	Press Extension P _m xh	Gravity Factor F ₉		Temperature Fa		riation Metered Flow R F _{pv} (Mcfd)		GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m
			<u> </u>	(OPEN FL	OW) (DELI	VERABILITY	CALCUL	ATIONS			
(P _o) ² =	:	(P _w) ² =	: :	P _d =	, (, - 14.4) +		:	(P _a) ² (P _d) ²	= 0.207
(P _o) ² - (F	- 1	(P _a) ² - (P _w) ²	Choose formula 1 or 2: 1. P _o ² - P _o ² 2. P _o ² - P _o ² divided by: P _o ² - P _o ²	LOG of formula 1. or 2. and divide	p ₂ .p ₂	Backpre Sloj As	ssure Curve De = "n" orsigned ard Slope	n x	rog [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flow Mcfd @ 14.65 psia				Deliverability			Mcfd @ 14.65 psia				
	•	rein, and that s	aid report is true		t. Execute	-	1	make the	A.	rt and that he had	knowledge of
		Witness (NO/	0 3 20	10			ched by	
		For Comn						ι	-1104		

KCC WICHITA

I declare under penalty of perjury exempt status under Rule K.A.R. 82-3-3	under the laws of the state of Kansas that I am authorized to request 304 on behalf of the operator Hesse Petroleum Company, LLC
and that the foregoing pressure inform correct to the best of my knowledge an of equipment installation and/or upon ty	nation and statements contained on this application form are true and debelief based upon available production summaries and lease records upon use being made of the gas well herein named.
I hereby request a one-year exemp gas well on the grounds that said well:	otion from open flow testing for the
is on vacuum at the	al gas for injection into an oil reservoir undergoing ER present time; KCC approval Docket No oducing at a daily rate in excess of 250 mcf/D st of my ability any and all supporting documents deemed by Commission
RECEIVED NOV 0 3 2010 KCC WICHITA	Signature: Title: 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.