15-175-21932-0000

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

SIP TEST

Type Tes	it:				((See Inst	ructions on R	everse Side	9)				
Or	pen Flo	w			_								
Deliverabilty						Test Date: 10/27/11				API No. 15-175-21,982-0000			
Company NOBLE ENERGY						<u>-</u>	Lease HAYS		-		2-9	Well Number	
County Location SEWARD S/2 N/2 SW				Section 9	·	TWP 34 S			N)	Acres Attributed			
						Reservoir MORROW/CHESTER				31W Gas Gathering Connection DCP			
Completion Date					Plug Bac 5800	Plug Back Total Depth 5800			Packer So	et at			
Casing S 5.5	asing Size Weight 5 17.0			Internal I 4.892	Diameter		Set at 5616		ations	то 5745			
Tubing Size Weight 2.375 4.7				Internal I					ations	То			
Type Cor COMIN	mpletion	n (Desci D GAS	ribe)	•			otion		Pump Uni YES - I	t or Traveling	Plunger? Yes	/ No	
Producing ANNUL			s / Tubing				ioxide	· ·	% Nitroge		Gas G	ravity - G _p	
/ertical E	Depth(H	1)				Р	ressure Taps				(Meter	Run) (Prover) Size	
Pressure	Buildu	p: Shu	t in _10/2	26/11 2	0 at _0			Taken_10	0/27/11	20	_{at} _0845	(AM) (PM)	
Well on L	.ine:	Star										(AM) (PM)	
			_		-	OBSER	VED SURFAC	E DATA	-		Duration of Shut	-in 24.0 Hours	
Static / Dynamic Property	Orifle Size (Inche	ce es) Pro	Meter Differential		Flowing Well Head Temperature t I		ad Ca	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		bling d Pressure (P ₁) or (P _e)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In							. 61.0	75.4	psig	psla	24.0		
Flow													
					-	FLOW S	TREAM ATTI	RIBUTES					
Plate Coefficient (F _b) (F _p) Mcfd		Met Prover f	Crobe one: Meter or Prover Pressure psia Press Extension ✓ P _m x h		Fac	Gravity Factor F		ving Doviation Factor F _{pv}		Metered Flov R (Mcfd)	v GOR (Cuble Fo Barrel)	Denvilee 1	
	I.		1		(OPEN FL	OW) (DE	LIVERABILIT	/) CALCUL	ATIONS				
P _c)2 =	 -	_:	(P _w) ² =	Choose larmula 1 or 2				P _c - 14.4) +		 :	•	² = 0.207 ² =	
$(P_e)^2 \cdot (P_a)^2$ or $(P_e)^2 \cdot (P_a)^2$		(P _e)²-	(P _c) ² - (P _w) ² 1. P _c ² - P _s ² 2. P _c ² - P _s ² divided by: P _c ² - P _s ²		LOG of formula 1. or 2. and divide by:		Sid	Backpressure Curve Slope = "n" Assigned Standard Slope		oe 📗	Antilog	Open Flow Deliverability Equals R x Antilog (Mctd)	
													
		· <u> </u>		Mcfd @ 14.6	35 psla		Delivera	hithy			Maria di 44 an	1-	
pen Flo											Mcfd @ 14.65 ps		
		gned au	thority, on	behalf of the	Company, s	itates the	it he is duly a	uthorized to	o make the	above repo	rt and that he ha	is knowledge of	
The	undersi			behalf of the								es knowledge of	
e facts s	undersi	nerein, e		ld report is true				7	day of OC	TOBER		. 20 11	

KCC WICHITA

I declare under penalty of 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 NOBLE ENERGY
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 HAYS 2-9
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 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 Commission
staff as necessary to corroborate this claim for exemption from testing.
Date:
·
Signature: Samush Rommund Title: And Fenne

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.