KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Tubing Size Weight 1.995 Internal Diameter Set at Perforations OPEN 1.995 OPE	Type Test:			(See Instruc	tions on Reve	erse Side)				
Comparing	Open Flow	Open Flow						4.50	N			
WOOLSEY OPERATING COMPANY, LLC	✓ Deliverabilty) :							
BARBER W/2 NE NW 19							<u> </u>				Well Number	
STRANATHAN	County Location							· ·				
21/108							Gas Gathering		-	ection		
10.50	•			_	k Total Dep	th			Set at			
2.375	Casing Size 4.500	~			Diameter							
Type Field Production WATER / Oll. Type Field Production WATER / Oll. Pump Unit or Traveling Plunger? Yes / No Pump U	Tubing Size	•			Diameter	Set at		_		То		
SINGLE WATER / OIL PUMPING Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity · G _g ANNULUS Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size 4740 Pressure Buildup: Shut in 9/29/15 20 at				_							/ N-	
Pressure Taps (Meter Run) (Prover) Size	SINGLE	-		WATE	R / OIL							
Pressure Buildup: Shut in 9/29/15 20 at	Producing Thru (Annu ANNULUS	ulus / Tubing)		% C	arbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G _g	
Static Orlice Orlice Orlice Pressure Dynamic Pressure Property Inches H, D Orlice Prove Pressure Property Orlice Prove Pressure Property Orlice Prove Pressure Orlice Orli	Vertical Depth(H) 4740	•			Pres	sure Taps			· ·	(Meter F	Run) (Prover) Size	
OBSERVED SURFACE DATA OBSERVED SURFACE DATA Duration of Shut-in	Pressure Buildup: S	hut in _9/29/	15 20	0 at		(AM) (PM) T	aken_9/	30/15	20	at	(AM) (PM)	
Static / Dynamic Size Size Size Size Size Size Size Size	Well on Line: S	tarted	20) at		(AM) (PM) 1	aken		20	at	(AM) (PM)	
Static Orifice Mater Prover Pressure Pr					OBSERVE	D SURFACE	DATA			Duration of Shut-	inHours	
Shul-in .625 Shul	Dynamic Size	Static / Orifice Meter Differenti		Temperature Temperature		Wellhead Pressure		Wellhead Pressure				
FLOW STREAM ATTRIBUTES Plate Coefficcient (F _p) (F _p) Mcfd Prover Pressure psia (OPEN FLOW) (DELIVERABILITY) CALCULATIONS (P _p) ² = (P _m) ² = (P _m) ² = (P _p) ² =		psig (Pm) Inches					psia		psia	24	 	
Plate Coefficient (F _s) (F _s) Reteror Prover Pressure psia (P _s) = (OPEN FLOW) (DELIVERABILITY) CALCULATIONS (P _s) ² = (P _s) ²	Flow											
Coefficient $(F_s)(F_p)$ (F_p) $(F_$		_			FLOW STR	EAM ATTRIE	BUTES				· .	
	Coefficient A	Coefficient Meter or Extension $(F_b)(F_p)$ Prover Pressure		Factor		femperature Factor		ctor	R	(Cubic Fe	et/ Fluid Gravity	
(P _c) ² = : (P _w) ² = : P _d = % (P _c -14.4) + 14.4 = : (P _d) ² = (P _c) ² - (P _s) ² (P _c) ² - (P _w) ² (P _c) ² - (P _w) ² (P _c) ² - P _w ² (P												
Choose formula 1 or 2: 1. P _c ² - P _a or (P _c) ² - (P _d) ² Or (P _c) ² - (P _d) ² Antilog Choose formula 1 or 2: 1. P _c ² - P _a or (P _c) ² - (P _d) ² Antilog Choose formula 1 or 2: 1. P _c ² - P _a Or or (P _c) ² - (P _d) ² Assigned Standard Slope Open Flow Nord @ 14.65 psia Deliverability Mcfd @ 14.65 psia The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the Received KANSAS CORPORATION COLUMN ALL ALL ALL ALL ALL ALL ALL ALL ALL AL	(P)2 - ·	(P)2 –										
Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia Deliverability Deliverability Equals R x Antilog Mcfd @ 14.65 psia Deliverability Deliverabi		Cho		T		T			 `	/, q/		
Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the	or $(P_c)^2 - (P_d)^2$ 2. $P_c^2 - P_d^2$		2. P _c ² -P _d ²	formula 1. or 2. and divide p 2 p 2		Slope = "n" Assigned		n x LOG		Antilog	Deliverability Equals R x Antilog	
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the		divi	aea oy: r _c r _w -	by:	<u> </u>	Sianuar	a giohe	+				
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the												
he facts stated therein, and that said report is true and correct. Executed this the 1 day of OCTOBER	Open Flow		Mcfd @ 14.6	35 psia		Deliverabili	ty			Mcfd @ 14.65 psi	<u>a</u>	
Received Halland	•	•				-			•	rt and that he ha	ŭ	
Received KANSAS CORPORATION COMMISSION & Hallangen	the facts stated therein,	, and that said	report is true	and correct	. Executed	this the 1					, 20	
		Witness (if an		K#	Re INSAS CORPO	Ceived	Thro	L c	Hallo	Company		
For Commission OCT 1 6 2015 Checked by		·			OCT	1 6 2015				<i>•</i>		

CONSERVATION DIVISION WICHITA, KS

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 WOOLSEY OPERATING CO, 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 LOGAN 5-X 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: Wink Halloy A

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.

~6.8% -----