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

Type Tes	t:				6	See Instr	ucti	ions on Rev	erse Side	)						
<ul><li>✓ Open Flow</li><li>✓ Deliverability</li></ul>					Test Date: 10-31-14					API No. 15 `15-095-20592 <b>~ 0000</b>						
Company MURFIN DRILLING COMPANY					Lease GRABER				 ₹				Well Number			
County KINGMAN		NENE	ation	Section 9				TWP 29S		RNG (E/W) 6W		(	, Ącres Attribu		Attributed	
Field KLAVER				Reservoir MISSISSIPPI					Gas Gathering Conn WEST WICHITA G			ection AS GATHERING LLC				
Completion Date 6-21-77					Plug Back Total Depth 4081					Packer S NONE	Packer Set at NONE		CONTRACTOR AND ADVISOR OF THE PROPERTY OF THE			
Casing S 5.5	lize	We 14.		Internal Diameter 5.012			Set at 4081			Perforations 4081		Го 41090				
Tubing Size Weight 2.875 6.5				Internal Diameter 2,441			Set at 4050		Perfo	Perforations		'To				
SINGLE	E GA	=	ruget nig girlung gerinde geri		Type Fluid			and the second s	me and the life late and the same	Pump Un YES-P		Plu	inger? Yes	/ No	e i den men e en	
Producing Thru (Annulus / Tubing) ANNULUS					% Carbon Dioxide 0.140					% Nitrogen . 6.934			Gas Gravity - G <sub>g</sub> .7165			
Vertical Depth(H) 4086					Pressure Taps FLANGE								(Meter Run) (Prover) Size 2.067"			
Pressure Buildup: Shut in 10-27-14 2					0at1000 (AM) (PM) Taken				Taken_10	0-30-14 20 _			at 1000 (AM) (PM)			
Well on L	_ine;	Started _1	0-30-14	20 .	at	000	1111	(AM) (PM)	Taken 10	)-31-14	20	P-200-16-16	al 1000	"halfs & of "a literal s sidera (III)	(AM) (PM)	
								SURFACE					Duration of Shut-in 72.0			
Static / Dynamic Property	Orifi Siz (inch	e Prover Pre	Differenti	a! T	Flowing Well He Temperature Tempera		uro (P <sub>w</sub> ) or (P <sub>1</sub> ) or		ressure	) (P <sub>w</sub> ) or (P <sub>t</sub> ) or (F		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In									237.0			7:	2.0			
Flow .500		40.4	2.5		70 75			82.5	96.9			24.0		0		
					7	FLOW S	TRI	EAM ATTRI	BUTES	· · · · · · · · · · · · · · · · · · ·					<del>-</del> -	
Plate Coeffied (F <sub>b</sub> ) (F Moto	ient ()	Giraln one: Meter or Prover Pressure psia		Press Extension √ P <sub>m</sub> xh		rity	Flowing Temperature Factor F <sub>11</sub>		Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
1.2191		54.80	0 11.70		1.1814		0.9905		1.005	1.0052 16.8		NONE			0.7165	
(P <sub>c</sub> ) <sup>2</sup> = 5	6.2	_: (P_,)	<sup>2</sup> = 9.4	:		OW) (DEI 40.9	-IVI	<b>ERABILITY)</b> 6 (P		ATIONS 14.4 = _2	37.0 :		-	2 = 0.2 2 =	207	
(P <sub>c</sub> ) <sup>2</sup> - ( or (P <sub>c</sub> ) <sup>2</sup> - (	•	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>a</sub> <sup>2</sup> -P <sub>a</sub> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub>	1. P <sub>e</sub> <sup>2</sup> - P <sub>e</sub> <sup>2</sup>		LOG of formula 1. or 2. und divide   p 2 - p 2		Backpressure C Slope = "n"			F		Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
55.96		46.78	1.196	1.196 0.0		78		0.850		0.00		1.	1646	19.5	 55	
Open Flow 20			.1	Mcfd @ 14.65 psia			Deliverability					Mcfd @ 14.65 psia			-	
The	unders	•	on behalf of t	true a	Company, s	t. Execut	terl	e is duly au	thorized to	day of O	CTOBER	ort a	nd that he ha	as knov	20 14	
		Wilne	ss (if any)		KANSAS C	ORPORATI	ΘŃ (	COMMISSION	. rec	ـــــــــــــــــــــــــــــــــــــ	Man	Comp	a 4 Tes	יבאיז אינו		
		For Co	ommission						name anniquem Ağızadı		Cho	ckod	by	. المحمد منها المعنود	m interpretation in manusproper	
					CONS	ERVATION WICHITA,	V DI , KS	VISION								

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
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: Thoma Whelland  Title: Production Englineer

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.

Received KANSAS CORPORATION COMMISSION

NOV 17 2014

CONSERVATION DIVISION WICHITA, KS