

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

Type Test:

- Open Flow  
 Deliverability

(See Instructions on Reverse Side)

Test Date:  
12/03/10

API No. 15  
171-20751 - 0000

Company FIML Natural Resources, LLC			Lease Schmidt		Well Number 10B-28-1831
County Scott	Location NE/NW/SE	Section 28	TWP 18S	RNG (E/W) 31W	Acres Attributed 160
Field Krider		Reservoir Krider		Gas Gathering Connection OneOk	
Completion Date 09/21/2010		Plug Back Total Depth 2950'		Packer Set at	
Casing Size 5.5	Weight 15.5	Internal Diameter 1.995"	Set at 4887'	Perforations 2747'	To 2752'
Tubing Size 2-3/8"	Weight 4.7	Internal Diameter 1.995"	Set at 2754'	Perforations	To
Type Completion (Describe) Gas Well		Type Fluid Production Water		Pump Unit or Traveling Plunger? Yes / No No	
Producing Thru (Annulus / Tubing) Tubing		% Carbon Dioxide 2.1		% Nitrogen 45.7	
Vertical Depth(H)		Pressure Taps Flange		(Meter Run) (Prover) Size 2.067	
Pressure Buildup: Shut in		12/3	20 10	at 8:00 AM	(AM) (PM) Taken
Well on Line: Started		12/4	20 10	at 9:00 AM	(AM) (PM) Taken

### OBSERVED SURFACE DATA

Duration of Shut-in 25 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						95		90		25	
Flow	0.50					190		90			

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>c</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F <sub>g</sub>	Flowing Temperature Factor F <sub>t</sub>	Deviation Factor F <sub>pv</sub>	Metered Flow R (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ : (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ : P<sub>d</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ : (P<sub>d</sub>)<sup>2</sup> = 0.207 (P<sub>o</sub>)<sup>2</sup> = \_\_\_\_\_

(P <sub>c</sub> ) <sup>2</sup> - (P <sub>s</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>o</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>o</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide by: $\frac{P_c^2 - P_s^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG $\left[ \frac{P_c^2 - P_s^2}{P_c^2 - P_w^2} \right]$	Antilog	Open Flow Deliverability Equals R x Antilog (Mcf/d)

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 on the 21st day of December, 20 10.

**RECEIVED**

**DEC 23 2010**

*[Signature]*  
For Company

Witness (if any)

For Commission

**KCC WICHITA**

Checked by

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 FIML Natural Resources, 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 Schmidt 10B-28-1831 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: 12/21/2010

Signature: 

Title: Regulatory Specialist

**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.

**Monthly Gauge Report**  
09/2010

Route: 201  
Well: SCHMIDT 10B-28-183 - SCHMIDT 10B-28-1831

Date	NO OIL	RUN TICKETS			Total Oil		Water		Gas				Engineering				Remarks			
	TANKS	Count	Gross	Net	Stock	Prod	Haul	Prod	Stat	Diff	MCF	HrsOn	Down	Code	TBG	CSG		SPM	SLN	
09/01/2010																				
09/02/2010																				
09/03/2010																				
09/04/2010																				
09/05/2010																				
09/06/2010																				
09/07/2010																				
09/08/2010																				
09/09/2010																				
09/10/2010																				
09/11/2010																				
09/12/2010																				
09/13/2010																				
09/14/2010																				
09/15/2010																				
09/16/2010																				
09/17/2010																				
09/18/2010																				
09/19/2010																				
09/20/2010																				
09/21/2010																				
09/22/2010							0.00	0.00	35.00		0.00	12:00	12:00	99	150	170			Started @ Noon CPARKS	
09/23/2010							0.00	0.00	1.00	79.00	79.00	24:00			105	155			CPARKS	
09/24/2010							0.00	0.00	4.00	38.00	38.00	24:00			100	100			CHANGED PLATE TO 1/2 CPARKS	
09/25/2010							0.00	0.00	5.00	30.00	30.00	24:00			90	100			CPARKS	
09/26/2010							0.00	0.00			28.00	24:00			90	95			CPARKS	
09/27/2010							0.00	0.00	3.00	26.00	26.00	24:00			90	95			CPARKS	
09/28/2010							0.00	0.00	3.00	25.00	25.00	24:00			90	95			CPARKS	
09/29/2010							0.00	0.00	2.50	25.00	25.00	24:00			90	95			CPARKS	
09/30/2010							0.00	0.00			24.00	24:00			90	95			CPARKS	
10/01/2010							0.00	0.00			24.00	24:00			90	95			CPARKS	
Totals			0.00	0.00		0.00		0.00			299.00									

Down Code Description  
99: OTHER

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**DEC 23 2010**  
**KCC WICHITA**

**Monthly Gauge Report  
10/2010**

Route: 201  
Well: SCHMIDT 10B-28-183 - SCHMIDT 10B-28-1831

Date	NO OIL	RUN TICKETS			Total Oil		Water		Gas				Engineering				Remarks			
	TANKS	Count	Gross	Net	Stock	Prod	Haul	Prod	Stat	Diff	MCF	HrsOn	Down	Code	TBG	CSG		SPM	SLN	
10/01/2010																				
10/02/2010							0.00	0.00			23.00	24:00			90	95				DWALKER
10/03/2010							0.00	0.00			23.00	24:00			90	95				DWALKER
10/04/2010							0.00	0.00			22.00	24:00			90	95				DWALKER
10/05/2010							0.00	0.00			21.00	24:00			90	95				DWALKER
10/06/2010							0.00	0.00			23.00	24:00			90	95				DWALKER
10/07/2010							0.00	0.00			21.00	24:00			90	95				DWALKER
10/08/2010							0.00	0.00			23.00	24:00			90	95				DWALKER
10/09/2010							0.00	0.00			0.00	24:00			90	95				DWALKER
10/10/2010							0.00	0.00			28.00	24:00			90	95				DWALKER
10/11/2010							0.00	0.00			23.00	24:00			90	95				DWALKER
10/12/2010							0.00	0.00			22.00	24:00			90	95				DWALKER
10/13/2010							0.00	0.00			21.00	24:00			90	95				DWALKER
10/14/2010							0.00	0.00			20.00	24:00			90	95				DWALKER
10/15/2010							0.00	0.00			20.00	24:00			90	95				DWALKER
10/16/2010							0.00	0.00			19.00	24:00			90	95				DWALKER
10/17/2010							0.00	0.00			19.00	24:00			90	95				DWALKER
10/18/2010							0.00	0.00			19.00	24:00			90	95				DWALKER
10/19/2010							0.00	0.00			0.00	24:00			90	95				per gas co DWALKER
10/20/2010							0.00	0.00			0.00	24:00			90	95				DWALKER
10/21/2010							0.00	0.00			0.00	24:00			90	95				DWALKER
10/22/2010							0.00	0.00			37.00	24:00			90	95				DWALKER
10/23/2010							0.00	0.00			24.00	24:00			90	95				DWALKER
10/24/2010							0.00	0.00			21.00	24:00			90	95				DWALKER
10/25/2010							0.00	0.00			20.00	24:00			90	95				DWALKER
10/26/2010							0.00	0.00			19.00	24:00			90	95				DWALKER
10/27/2010							0.00	0.00			19.00	24:00			90	95				DWALKER
10/28/2010							0.00	0.00			18.00	24:00			90	95				DWALKER
10/29/2010							0.00	0.00			18.00	24:00			90	95				DWALKER
10/30/2010							0.00	0.00			18.00	24:00			90	95				DWALKER
10/31/2010							0.00	0.00			17.00	24:00			90	95				DWALKER
11/01/2010							0.00	0.00			18.00	24:00			90	95				DWALKER
Totals			0.00	0.00		0.00		0.00			576.00									

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DEC 23 2010  
KCC WICHITA**

**Monthly Gauge Report**  
11/2010

Route: 201  
Well: SCHMIDT 10B-28-183 - SCHMIDT 10B-28-1831

Date	NO OIL	RUN TICKETS			Total Oil		Water		Gas				Engineering				Remarks			
	TANKS	Count	Gross	Net	Stock	Prod	Haul	Prod	Stat	Diff	MCF	HrsOn	Down	Code	TBG	CSG		SPM	SLN	
11/01/2010																				
11/02/2010							0.00	0.00			18.00	24:00			90	95				DWALKER
11/03/2010							0.00	0.00			18.00	24:00			90	95				DWALKER
11/04/2010							0.00	0.00			18.00	24:00			90	95				DWALKER
11/05/2010							0.00	0.00			17.00	24:00			90	95				DWALKER
11/06/2010							0.00	0.00			17.00	24:00			90	95				DWALKER
11/07/2010							0.00	0.00			18.00	24:00			90	95				DWALKER
11/08/2010							0.00	0.00			17.00	24:00			90	95				DWALKER
11/09/2010							0.00	0.00			16.00	24:00			90	95				DWALKER
11/10/2010							0.00	0.00			17.00	24:00			90	95				DWALKER
11/11/2010							0.00	0.00			17.00	24:00			90	95				DWALKER
11/12/2010							0.00	0.00			17.00	24:00			90	95				DWALKER
11/13/2010							0.00	0.00			16.00	24:00			90	95				DWALKER
11/14/2010							0.00	0.00			16.00	24:00			90	95				DWALKER
11/15/2010							0.00	0.00			17.00	24:00			90	95				DWALKER
11/16/2010							0.00	0.00			17.00	24:00			90	95				DWALKER
11/17/2010							0.00	0.00			15.00	24:00			90	95				DWALKER
11/18/2010							0.00	0.00			17.00	24:00			90	95				DWALKER
11/19/2010							0.00	0.00			18.00	24:00			90	95				DWALKER
11/20/2010							0.00	0.00			16.00	24:00			90	95				DWALKER
11/21/2010							0.00	0.00			17.00	24:00			90	95				DWALKER
11/22/2010							0.00	0.00			16.00	24:00			90	95				DWALKER
11/23/2010							0.00	0.00			17.00	24:00			90	95				DWALKER
11/24/2010							0.00	0.00			16.00	24:00			90	95				DWALKER
11/25/2010							0.00	0.00			17.00	24:00			90	95				DWALKER
11/26/2010							0.00	0.00			15.00	24:00			90	95				DWALKER
11/27/2010							0.00	0.00			15.00	24:00			90	95				DWALKER
11/28/2010							0.00	0.00			16.00	24:00			90	95				DWALKER
11/29/2010							0.00	0.00			16.00	24:00			90	95				DWALKER
11/30/2010							0.00	0.00			16.00	24:00			90	95				DWALKER
12/01/2010							0.00	0.00			16.00	24:00			90	95				DWALKER
Totals			0.00	0.00		0.00		0.00			499.00									

# FIML NATURAL RESOURCES, LLC

December 21, 2010

Kansas Corporation Commission  
Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202-3802

RE: Schmidt 10B-28-1831  
NE/NW/SE Sec 28 T-18S R-31W  
Scott County, Kansas

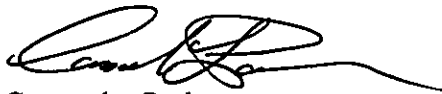
Dear Mr. Hemmen:

Enclosed are the following for the above referenced well:

One Point Stabilized Open Flow or Deliverability Test (G-2)  
Pumper Gauge Reports for September, October and November

If you should require further information or have any questions, please feel free to contact Cassie Parks at 303-893-5090 or [Cassandra.parks@fmr.com](mailto:Cassandra.parks@fmr.com).

Sincerely,



Cassandra Parks  
Regulatory Specialist

/cp  
Enclosures:

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