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

Linn Operating Inc.   Daniels   B-4 ATU-5	
Company   Company   Company   County	
Linn Operating Inc.   Daniels   B-4 ATU-5	Number
Morton   SE SE SE SE   18   31S   39W   640	
Completion Date 5/9/2013  Casing Size Weight 15.5 4.95 3141 2385 2900  Tubing Size Weight N/A	Attributed
Static / Orifice   Static / Orifice   Static / Orifice   Static / Property   Static	
Static   Orifice   Static   Orifice   Static   Orifice   Organic   Size   Circle one   Organic   Orifice   Organic	
Tubing Size Weight N/A	
Single Dry Gas NO  Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity  Annulus 173 18.668 .7560  Vertical Depth(H) Pressure Taps (Meter Run) (Meter Run	
Producing Thru (Annulus / Tubing)	
Vertical Depth(H)  3142  Pressure Buildup: Shut in 7/8 20 13 at 11:00 AM (AM) (PM) Taken 7/11 20 13 at 11:00 AM  Well on Line: Started 7/11 20 13 at 11:00 AM (AM) (PM) Taken 7/12 20 13 at 11:00 AM  Well on Line: Orifice Dynamic Size Property (inches) Size Property (inches) Pressure Prover Pressure Psig (Pm) Inches H <sub>2</sub> 0  Pressure Taps (Meter Run) (Meter Available of the pressure Taps (Meter Available of the p	· G <sub>g</sub>
Static / Dynamic Property   Cincle one Property   Pro	Prover) Size
Well on Line: Started 7/11 20 13 at 11:00 AM (AM) (PM) Taken 7/12 20 13 at 11:00 AM  OBSERVED SURFACE DATA  Static / Orifice Dynamic Size Property (inches) Size Property (inches) Pressure psig (Pm) Inches H <sub>2</sub> 0 Temperature Inches H <sub>2</sub> 0 Temperature Temperatur	, , , , , , , , , , , , , , , , , , ,
Static / Orifice Dynamic Property (inches)  Size Property (inches)  Orifice Size Prover Pressure Pressure Prove Pressure Pressure Prove Pressure Pressur	(AM) (PM)
Static / Orifice Dynamic Property (inches) Size Property (inches) Pressure psig (Pm) Signature Property Pressure psig (Pm) Pressure Property Pressure psig (Pm) Pressure Property Pressure psig (Pm) Pressure t Property Pressure t Property Pressure psig (Pm) Pressure t Pressure t Property Pressure t Property Pressure t Property Pressure psig (Pm) Pressure t Property Pressure t Property Pressure psig (Pm) Pressure t Property Pres	(AM) (PM)
Static / Orifice Dynamic Size Property (inches)  Meter Prover Pressure psig (Pm)  Differential in Inches H <sub>2</sub> 0  Flowing Temperature Temperature t Temperatur	2 Hour
2 pog pro prog	uid Produced (Barrels)
3000000   1000	
Flow .625 21.5 8.8 90 90 21.5 35.9 NA NA 24 0	X
FLOW STREAM ATTRIBUTES	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Flowing Fluid Gravity G <sub>m</sub>
1.897 35.9 17.774 1.153 .9723 1 37.799 0	0
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS $(P_a)^2 = 0$ $(P_c)^2 = 1.2888$ : $P_d = 9$ $(P_c - 14.4) + 14.4 = 9$ : $(P_d)^2 = 1.2888$	207
$(P_c)^2 - (P_a)^2 \qquad (P_c)^2 - (P_w)^2 \qquad \begin{array}{c} Choose \ formula \ 1 \ or \ 2 \\ 1 \ P_c^2 - P_a^2 \end{array} \qquad \begin{array}{c} LOG \ of \\ formula \end{array} \qquad \begin{array}{c} Backpressure \ Curve \\ Slope = "n" \\ n \ x \ LOG \end{array} \qquad \begin{array}{c} OG \ of \\ Antilog \end{array}$	Open Flow eliverability Is R x Antilog (Mcfd)
	7.6263
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 known the facts stated therein, and that said report is true and correct. Executed this the 17 RECEIVED KANSAS CORPORATION COMMISSION Shawn Hildreth	wledge of 20 13
Witness (if any)  AUG 0 5 2013  For Company	w

CONSERVATION DIVISION WICHITA, KS

Checked by