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

Open Flow
Company   Company   Company   Company   Company   Company   Cole   Associates, Inc
Search   S
Otis-Albert Krider IACX Completion Date Plug Back Total Depth 2010'  Casing Size Weight Internal Diameter Set at 2018' Krider 1813-1950OA  Tubing Size Weight Internal Diameter Set at Perforations To 1813-1950OA  Tubing Size Weight Internal Diameter Set at Perforations To 23/8  Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Yes / No Single Saltwater Pump unit  Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G, Annulus  Pressure Taps (Meter Run) (Prover) Size 2010'  Pressure Buildup: Shut in 4/2 20 14 at 4:15pm (AM) (PM) Taken 20 at (AM) (PM)  Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM)  OBSERVED SURFACE DATA Duration of Shut-in Hour State Size Property (Inches) Prover Pressure Dilincential Property (Inches) Prover Pressure Paid (Prover Pressure Prover Pressure Prover Pressure Paid (Prover Pressure Prover Pressure Prover Pressure Paid (Prover Pressure Prover Pressure Paid Prover Pressure Prover Pressure Extension Pactor Factor
2010
Tubing Size Weight Internal Diameter Set at Perforations To  2018' krider 1813-1950OA  Tubing Size Weight Internal Diameter Set at Perforations To  2018' krider 1813-1950OA  Tubing Size Weight Internal Diameter Set at Perforations To  Type Completion (Describe)  Type Fluid Production Pump Unit or Traveling Plunger? Yes / No  Saltwater Pump unit  Producing Thru (Annulus / Tubing)  Annulus  Annulus  Annulus  Annulus  Pressure Taps (Meter Run) (Prover) Size  Wellon Line: Started 20 14 at 4:15pm (AM) (PM) Taken 20 14 at 4:16 (AM) (PM)  Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM)  OBSERVED SURFACE DATA Duration of Shut-in Hour Prover Pressure Uninches H <sub>2</sub> 0 Differential femperature Temperature Temperature (P <sub>+</sub> ) or
Type Fluid Production Saltwater Pump Unit or Traveling Plunger? Yes / No Siringle Saltwater Pump unit or Traveling Plunger? Yes / No Saltwater Pump Unit or Traveling Plunger? Yes / No Saltwater Pump unit or Traveling Plunger? Yes / No Saltwater Saltwater Pump unit or Traveling Plunger? Yes / No Saltwater Pump unit or Traveling Plunger? Yes / No Saltwater Saltwater Pump unit or Traveling Plunger? Yes / No Saltwater
Saltwater   Pump unit
Annufus  Vertical Depth(H)  Pressure Buildup: Shut in 4/2  Pressure Buildup: Started  20 14 at 4:15pm  (AM) (PM) Taken 4/3  20 14 at 4:16  (AM) (PM)  Well on Line: Started  20 at (AM) (PM)  OBSERVED SURFACE DATA  Duration of Shut-in Hour  Static / Orifice Size (Inches)  Property (inches)  Pressure Differential Prover Pressure pig (Pm) Inches H <sub>2</sub> 0  Shut-in  Flow STREAM ATTRIBUTES  Plate Coefficient Meter or Pressure Cefficient Meter or (F <sub>2</sub> ) (F <sub>3</sub> ) (F <sub>4</sub> ) (F <sub>3</sub> )  Plate Coefficient Meter or Prover Pressure (F <sub>3</sub> ) (F <sub>4</sub> ) (F <sub>3</sub> )  Pressure Taps  (Meter Run) (Prover) Size (AM) (PM)  Taken 4/3  20 14 at 4:16  (AM) (PM)  OBSERVED SURFACE DATA  Duration of Shut-in Hour (Pu) or (P <sub>4</sub> )
Vertical Depth(H)  Pressure Buildup: Shut in 4/2  20 14 at 4:15pm  (AM) (PM) Taken 4/3  20 14 at 4:16  (AM) (PM)  Well on Line: Started  20 at
Pressure Buildup: Shut in 4/2 20 14 at 4:15pm (AM) (PM) Taken 20 14 at 4:16 (AM) (PM)  Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM)  OBSERVED SURFACE DATA Duration of Shut-in Hour Casing Wellhead Pressure (Inches) Property (inches)
Well on Line: Started
Static / Orifice Dynamic Property (inches) Size (inches) Prossure Psig (Pm) Pressure Psig (Pm) Prover Pressure Prover Prover Pressure Prover Pressure Prover Pressure Prover Prover Pressure Pro
Static / Orifice Dynamic Property (inches)   Orifice Dynamic Property (inches)   Orifice Dynamic Property   Orifice (inches)   Orifice Orifice (inches)   Orifice Orifice (inches)   Orifice Ori
Property (inches) psig (Pm) Inches H <sub>2</sub> 0 t psig psia psig psia psig psia  Shut-In
FLOW STREAM ATTRIBUTES  Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> )  Prover Pressure  Flowing Temperature Factor
FLOW STREAM ATTRIBUTES  Plate Coefficient (F <sub>b</sub> ) (F <sub>e</sub> ) Coefficient (Cubic Feet/ Factor F
Plate Circle one: Press Gravity Flowing Deviation Metered Flow GOR Flowing Coefficient (F <sub>b</sub> ) (F <sub>b</sub> ) (F <sub>b</sub> )  Prover Pressure Factor Fac
Coefficient (F <sub>b</sub> ) (F <sub>c</sub> ) Return Factor Fact
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS $ (P_a)^2 = 0.207 $ $ P_c)^2 =                                   $
Choose formula 1 or 2:
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 diddensigned 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 8th day of April , 20 14
Ju Maratte KCC WIC
For Commission Checked by APR 16 2
<b>,</b>

ا ط	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	status under Rule K.A.R. 82-3-304 on behalf of the operator JOEL Associates, Inc.
	at 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 equip	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
The	ereby request a one-year exemption from open flow testing for the Harm 2-11
gas we	ll on the grounds that said well:
	(Charle and)
	(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
	rther agree to supply to the best of my ability any and all supporting documents deemed by Commissio
staff as	necessary to corroborate this claim for exemption from testing.
Date: _4	<u>/8/14                                   </u>
	Signature: Marally
	Title: Vice President

## Instructions:

12. E

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.

KCC WICHITA

APR 1 6 2014

**RECEIVED**