KANSAS CORPORATION COMMISSION ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2 (Rev.8/98)

(Rev.8/98) TYPE TEST: Open Flow 15-007-23380 - 0000 Deliverability 4/7/2018 API No. TEST DATE: Well Number Company Lease A #1 Chieftain Oil Co Inc Scotty Acres Attributed County Location Section TWP RNG (E/W) Barber SE NW NW NW 34s 10w Field Reservoir Gas Gathering Connection Mississippian Targa Pipeline Kochia Completion Date Plug Back Total Depth Packer Set at 11/25/2008 5180 none Internal Diameter Perforations Casing Size Weight Set at To 5.500 4.052 4652 15.500 5210 4636 Internal Diameter Tubing Size Weight Set at Perforations 4700 2.875 6.500 2.441 Type Fluid Production Pump Unit or Traveling Plunger? Type Completion (Describe) Single Oil/Water pumping unit Gas Gravity- Gg % Nitrogen Producing Thru(Annulus/Tubing) % Carbon Dioxide annulus 0.092 3.496 0.654 Vertical Depth (H) Meter Run Size Pressure Taps 2.067 flange 4/3/2018@0900 4/6/2018@0945 Pressure Buildup: Shut in TAKEN 4/6/2018@0945 4/7/2018@1115 Well on Line: Started TAKEN OBSERVED SURFACE DATA Casing WellHead Press. Tubing WellHead Press. Static/ Orifice WellHead Meter Pressure Flowing Liquid $(P_w)(P_t)(P_c)$ (P_w) (P_t) (P_c) Diff. Dynamic Size Pressure Prod. Temp. Temp. Duration Property in. psig In. H 20 (Hours) Barrels psig psia psig Shut-in 516 530 72.7 0.500 36.2 223.00 39 60 178 192 26.5 FLOW STREAM ATTRIBUTES COEFFICIENT (METER) EXTENSION GRAVITY FLOWING TEMP RATE OF FLOW DEVIATION $\langle F_{\mathbf{b}} \rangle$ PRESSURE FACTOR FACTOR FACTOR GOR G m P_m x H_w Mcfd psia Fgʻ Ft Fpv Mcfd 1.219 50.6 106,23 1,2365 ... 1.0208 1.0051 164 0.654 (OPEN FLOW)(DELIVERABILITY) CALCULATIONS $(Pa)^2 = 0.207$ $(Pd)^2 = 1.31$ 281.3 37.3 Pd = 6.8 (Pc - 14.4) + 14.4 =(P_c)² - (P_a)² Backpressure Open Flow Curve Slope"n" Deliverability $(P_{G})^{2'} - (P_{W})^{2}$ (P or = R x Antilog LOG n x LOG Assigned Antilog Mcfd Standard Slope 281.12 244.04 1.152 0.0614 0.850 0.0522 1.128 185 280.01 244.04 1.147 0.0597 0.850 0.0508 1,124 184 OPEN FLOW 185 Mcfd @ 14.65 psia DELIVERABILITY 184 Mcfd @ 14.65 psia The undersigned authority, on behaf of the Company, states that he is duly authorized to make the above and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the 20

> KCC WICH!TA APR 2 6 2018

> > RECEIVED

Witness (If any)

For Commission

Checked by

For Company

 CV_{J}

I declare under penelty or perjury under the laws of the state of kansas that I am authorized to reque	st
exempt status under rule K.A.R. 82-3-304 on behalf of the operatorChieftain Oil Co Inc	
and that the foregoing information and statements contained on this application form are true and corre	ect to
the best of my knowledge and belief based upon gas production records and records of equipment inst	alla-
tion and/or of type completion or upon use of the gas well herein named.	i .
I hereby request a permanent exemption from open flow testing for the Scotty	
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 vacum at the present time; KGC approval Docket No	
is incapable of producing at a daily rate in exess of 250 mcf/D	
Date: 4-26-2018	
,	
Signature: Robert Robinsh	
Title: Field Supervisor	

Instructions:

All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets 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 obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be 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.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.