

INVALID TEST; WAS RUN TO ATMOSPHERE INSTEAD OF INTO A PIPELINE

Form G-2 (Rev. 1/03)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

4/7/03
Jim Hemmen
KCC

Type Test:

Open Flow
Deliverability

Test Date: 6/20/2002

API No. 15
023-20438-00-00

(See Instructions on Reverse Side)

Company <u>SAMEDAN OIL CORP.</u>		Lease <u>SCHLEPP</u>		Well Number <u>24-29</u>	
County <u>CHEYENNE</u>	Location <u>SESW/4</u>	Section <u>29</u>	TWP <u>35</u>	RNG (EW) <u>41W</u>	Acres Attributed <u>160</u>
Field <u>CHERRY CREEK</u>		Reservoir <u>Niobrara</u>	Gas Gathering Connection <u>Williston Basin Interstate</u>		
Completion Date <u>6/17/02</u>		Plug Back Total Depth <u>1634'</u>		Packer Set at	
Casing Size <u>4 1/2"</u>	Weight <u>10.5 #</u>	Internal Diameter <u>4.052"</u>	Set at <u>1658'</u>	Perforations <u>1484'</u>	To <u>1524'</u>
Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) <u>Single (gas)</u>		Type Fluid Production —		Pump Unit or Traveling Plunger? Yes / No <u>(No)</u>	
Producing Thr (Annulus / Tubing) <u>Casing</u>		% Carbon Dioxide —		% Nitrogen —	
Vertical Depth(H)		Pressure Taps			Gas Gravity - G _s <u>0.6</u>
					(Meter Rthn) (Prover) Size <u>2"</u>

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Pressure Buildup: Shut in _____ 19 _____ at _____ (AM) (PM) Taken 6/20/02 10 at _____ (AM) (PM)

Well on Line: Started 6/26/02 10 at 11:30 (AM) (PM) Taken _____ 19 at _____ (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in _____ Hours

Static / Dynamic Property	Orifice Size inches	Circle one: Meter or Prover Pressure psig	Pressure Differential in (h) Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						254	267	NA	NA	—	—
Flow	<u>1/4</u>	<u>158</u>	—	<u>72</u>	—	<u>158</u>	<u>171</u>	<u>NA</u>	<u>NA</u>	<u>24</u>	<u>0</u>

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _v) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\frac{1}{2} P_m \times H_w$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
<u>1.1150</u>	<u>171</u>		<u>1.291</u>	<u>0.9867</u>	<u>1.0126</u>	<u>246</u>	—	—

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 71.3 ; (P_w)² = 29.2 ; P_d = _____ % ; (P_c - 14.4) + 14.4 = _____ ; (P_s)² = 0.207 ; (P_d)² = _____

(P _c) ² - (P _s) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _s ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: P _c ² - P _w ²	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog Mcfd
<u>71.09</u>	<u>42.0</u>	<u>1.6927</u>	<u>0.2286</u>	<u>0.87</u>	<u>0.1989</u>	<u>1.5808</u>	<u>389.23</u>

Open Flow 389.23 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 this the 24 day of FEBRUARY, 19 03.

Witness (if any) _____
For Commission _____
For Company Judy Thronkney
Checked by _____

Lease Name: SCHLEP
County, State: CHEYENNE, KS
Operator: NOBLE ENERGY INCORPORATED
Field: CHERRY CREEK
Reservoir: NIOBRARA
Location: 29 3S 41W C SE SW

SCHLEP - NOBLE ENERGY INCORPORATED NIOBRARA as of 04/2004 CHERRY CREEK

