

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

Open Flow

Test Date:

API No. 15

Deliverability

15-023-20-158-00-00

Company Priority Oil & Gas LLC		Lease Kendrick-Schorzman		Well Number 1-20	
County Cheyenne	Location NE-NW	Section 20	TWP 4	RNG (E/W) 40 W	Acres Attributed RECEIVED
Field Cherry Creek		Reservoir Niobrara		Gas Gathering Connection Kinder Morgan	
Completion Date 11-19-80		Plug Back Total Depth 1416'		Packer Set at	
Casing Size 4.5"	Weight 9.5#	Internal Diameter	Set at 1454'	Perforations 1292-96, 1300-04,	To 1310-20
Tubing Size 1.5"	Weight	Internal Diameter	Set at 1299'	Perforations	To
Type Completion (Describe) single (gas)		Type Fluid Production none		Pump Unit or Traveling Plunger? Yes / No no	
Producing Thru (Annulus / Tubing) Tubing		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	
Pressure Buildup: Shut in <u>4/2</u> ²⁰⁰² at <u>11:46</u> (AM) (PM) Taken <u>4/3</u> ²⁰⁰² at <u>1:01</u> (AM) (PM)					
Well on Line: Started _____ 19 ____ at _____ (AM) (PM) Taken _____ 19 ____ at _____ (AM) (PM)					

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OBSERVED SURFACE DATA

Duration of Shut-in 24:15 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 _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In	<u>2x.3125"</u>					<u>175</u>					
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _v) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\frac{1}{5} P_m \times H_w$	Gravity Factor F _g	Flowing Temperature Factor F _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_a)² = 0.207 (P_d)² = _____

(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a 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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2} \right]$	Antilog	Open Flow Deliverability Equals R x Antilog Mcfd

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 this the _____ day of _____, 19 _____.

Witness (if any)

For Company

For Commission

Checked by

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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 Priority Oil & Gas LLC and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.

I hereby request a permanent exemption from open flow testing for the Kendrick-Schorzman 1-20 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 incapable of producing at a daily rate in excess of 150 mcf/D

Date: 4/10/2002

Signature: Kevin Andrews

Title: Pumper

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.

PRECISION MEASUREMENT, INC.
P.O.Box 3659
745 North Circle Drive
Casper, WY. 82602

2/11/2002 6:41 PM
Phone: 307-237-9327
800-624-7260
Fax: 307-577-4139
E Mail: pmi@trib.com

GAS ANALYSIS REPORT

Analysis For: PRIORITY OIL & GAS
Field Name:
Well Name: 2-20 KENDRICK-SCHORZMAN
Station Number:
Purpose:
Sample Deg. F: 29
Volume/Day:
Formation:
Line PSIG: 136
Line PSIA:

Run No: 5481-5
Date Run: 2/11/02
Date Sampled: 2/5/02
Producer:
County:
State:
Sampled By: K. ANDREWS
Atmos Deg. F:
LOCATION : SEC. 20-4S-40W

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GAS COMPONENTS
MOL% GPM

Carbon Dioxide	C02:	0.000	
Nitrogen	N2:	3.528	
Hydrogen Sulfide	H2s:	0.0000	
Methane	C1:	94.617	
Ethane	C2:	1.322	0.353
Propane	C3:	0.391	0.107
Iso-Butane	IC4:	0.069	0.023
Nor-Butane	NC4:	0.073	0.023
Iso-Pentane	IC5:	0.000	0.000
Nor-Pentane	NC5:	0.000	0.000
Hexane Plus	C6+:	0.000	0.000
Totals		100.000	0.506

Pressure Base: 14.730
Real BTU Dry: 997.759
Real BTU Wet: 980.398
Calc. Ideal Gravity: 0.581
Calc. Real Gravity: 0.582
Field Gravity:
Standard Pressure: 14.696
BTU Dry: 995.469
BTU Wet: 978.148
Z Factor: 0.998
Avg Mol Weight: 16.820
Avg CuFt/Gal: 59.859
Ethane+ GPM: 0.506
Propane+ GPM: 0.153
Butane+ GPM: 0.046
Pentane+ GPM: 0.000

Remarks:

Analysis By: S.G. WALLACE
Approved By: