

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
9-30-10

API No. 15 **20565-00-00**
15-077-~~15-077-15~~

Company Hayes Oil & Gas, LLC		Lease Kircher		Well Number #2	
County Harper	Location 70'E of C.N/2-N/2-NE	Section 8	TWP 32S	RNG (E/W) 9W	Acres Attributed
Field Sharon		Reservoir Mississippi		Gas Gathering Connection Pioneer Exploration LTD	
Completion Date 3-25-1980		Plug Back Total Depth 4363		Packer Set at None	
Casing Size 4.5	Weight 9.50	Internal Diameter 4.090	Set at 4389	Perforations 4340	To 4350
Tubing Size 2.375	Weight 4.60	Internal Diameter 1.995	Set at 4348'SN	Perforations	To
Type Completion (Describe) Single		Type Fluid Production Water/oil		Pump Unit or Traveling Plunger? Yes / No Pumping	
Producing Thru (Annulus / Tubing)		% Carbon Dioxide		% Nitrogen	
Gas Gravity - G _g					

**RECEIVED
OCT 06 2010**

KCC WICHITA

Vertical Depth(H) _____ Pressure Taps _____ (Meter Run) (Prover) Size _____

Pressure Buildup: Shut in 9-30 20 10 at 2:30 (AM) (PM) Taken 10-1 20 10 at 3:30 (AM) (PM)

Well on Line: Started _____ 20 _____ at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in _____ Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in 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						106.9				24	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	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

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207
(P_d)² = _____

(P _c) ² = _____	(P _w) ² = _____	P _d = _____ %	(P _c - 14.4) + 14.4 = _____	
(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: $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2} \right]$	Backpressure Curve Slope = "n" 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 5 day of Oct, 2010

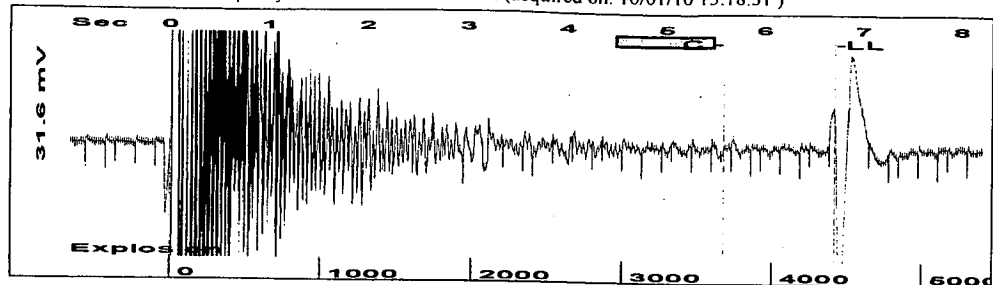
Witness (if any)

Devin J. Hayes
For Company

For Commission

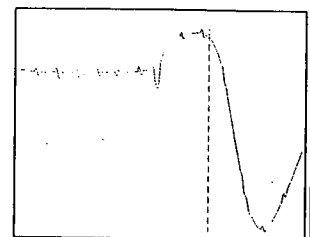
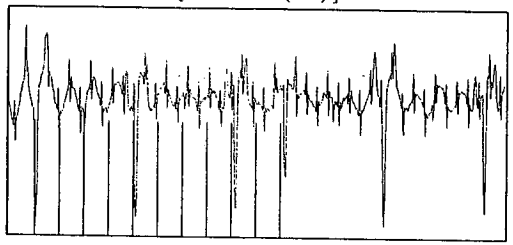
Checked by

Group: MyWells Well: Kircher #2 (acquired on: 10/01/10 15:18:31)



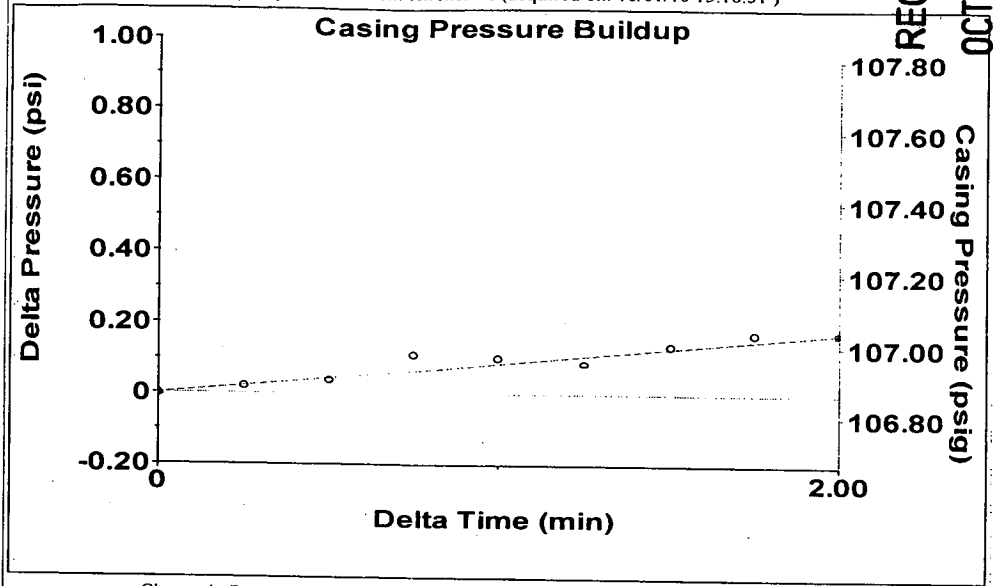
Filter Type High Pass Automatic Collar Count Yes Time 6.713 sec
 Manual Acoustic Velo 1241.78 ft/s Manual JTS/sec 20.284 Joints 144.284 Jts
 Depth 4416.53 ft

[4.5 to 5.5 (Sec)]



Analysis Method: Automatic

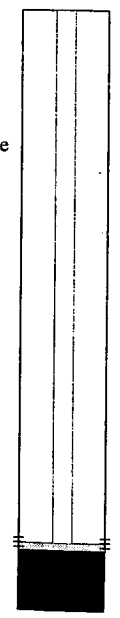
Group: MyWells Well: Kircher #2 (acquired on: 10/01/10 15:18:31)



Change in Pressure 0.17 psi PT4212
 Change in Time 2.00 min Range 0 - 1500 psi

Group: MyWells Well: Kircher #2 (acquired on: 10/01/10 15:18:31)

Production	Potential	Casing Pressure
Oil -*- BBL/D	-* BBL/D	106.9 psi (g)
Water -*- BBL/D	-* BBL/D	Casing Pressure Buildup
Gas -*- Mscf/D	-* Mscf/D	0.2 psi
		2.00 min
IPR Method	Vogel	Gas/Liquid Interface Pressure
PBHP/SBHP -*-	-*-	119.9 psi (g)
Production Efficiency 0.0		
Oil 27 deg API		Liquid Level
Water 1.05 Sp.Gr.H2O		Main Depth to Liquid Level
Gas 0.69 Sp.Gr.AIR		4416.53 ft
		Formation Depth
Acoustic Velocity 1315.81 ft/s		4340 ft



Producing

Annular Gas Flow 2 Mscf/D

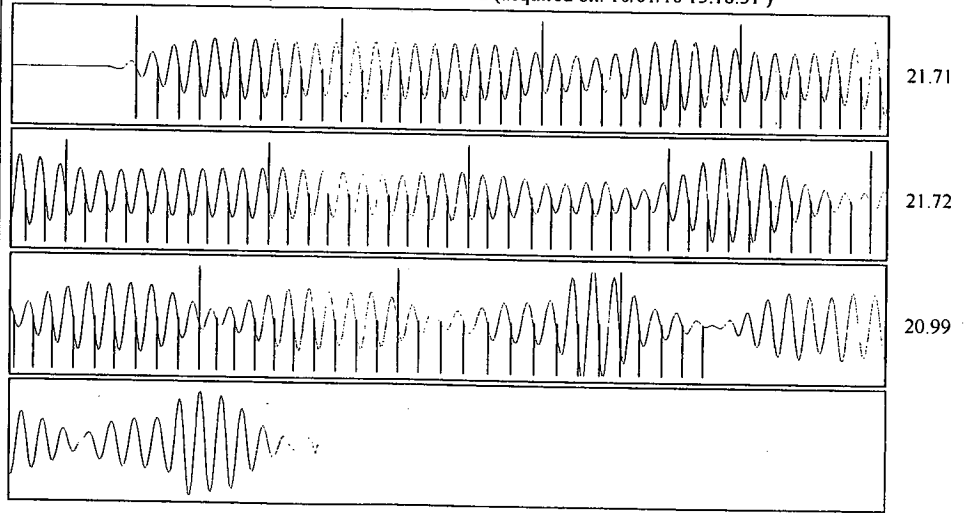
% Liquid 100 %

Pump Intake Pressure 119.9 psi (g)

Producing BHP 119.7 psi (g)

Static BHP -* psi (g)

Group: MyWells Well: Kircher #2 (acquired on: 10/01/10 15:18:31)



Acoustic Velocity 1315.81 ft/s	Joints counted 114
Joints Per Second 21.4932 jts/sec	Joints to liquid level 144.284
Depth to liquid level 4416.53 ft	Filter Width 18.284 22.284
Automatic Collar Count Yes	Time to 1st Collar 0.28 5.584

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 Hayes Oil & Gas, LLC and that 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 equipment installation and/or upon type of completion or upon use being made of the gas well herein named.

I hereby request a one-year exemption from open flow testing for the Kircher #2 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 not capable of producing at a daily rate in excess of 250 mcf/D

I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.

Date: 10-5-2010

Hayes Oil & Gas LLC

Signature: *Dave F. Hayes*

Title: Manager

Instructions: 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.

RECEIVED

OCT 06 2010

KCC WICHITA