

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow
 Deliverability

Test Date:
July 8, 2010

API No. 15
15-185-23167-0000

Company Castelli Exploration, Inc.		Lease Seibert		Well Number #2-5	
County Stafford	Location C E/2 NW NW	Section 5	TWP 25S	RNG (E/W) 15W	Acres Attributed
Field Farmington		Reservoir Chase		Gas Gathering Connection Lumen Energy	
Completion Date 10/26/02		Plug Back Total Depth 2470'		Packer Set at	
Casing Size 4 1/2"	Weight 11.6	Internal Diameter 4"	Set at 2396'	Perforations 2265-72, 2120-32	To 2098-08
Tubing Size 2 3/8"	Weight 4.6	Internal Diameter 2"	Set at 2464	Perforations None	To
Type Completion (Describe) Single Gas Zone Perforations		Type Fluid Production Saltwater		Pump Unit or Traveling Plunger? Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	
Pressure Buildup: Shut in July 8 20 10 at 8:00 (AM) (PM)		Taken July 9 20 10 at 8:00 (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						159	173.4				
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _a) 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_o)² = 0.207

(P_d)² = _____

(P_c)² = _____ ; (P_w)² = _____ ; P_d = _____ % ; (P_c - 14.4) + 14.4 = _____

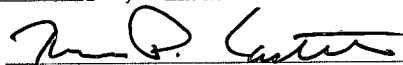
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG	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 10th day of August, 20 10.

Witness (if any)

For Commission


For Company

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Checked by

JAN 31 2011

KCC WICHITA

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 Castelli Exploration, Inc. 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 Seibert #2-5 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: 08/10/10

Signature: 

Title: President

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.

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CASTELLI EXPLORATION, INC.
SEIBERT #2-5
660' FNL 990' FWL NW/4 SEC 5-25S-15W
Stafford Co., Kansas
2050' GL
2058' KB

Report: Completion in Chase Group

- 10-29-02 MIRU Chase Well Svc DD. MI 2-3/8" 8rd EUE tbg from Sunrise Supply. TIH w/ 3-7/8" tooth bit, 4 - 3-1/8" drill collars & tbg. Tagged cement @ 2480'. RU Paul's Oilfield Svc pump & swivel. Drilled cement, wiper rubber & top of D-V tool. Circulate hole clean, pull bit up to 2470', SDFN.
- 10-30-02 Drilled out D-V tool @ 2486'. TIH w/ bit, drill wiper plug & clean up hole to 3262'. TOH w/ tbg & bit. RU Perf-Tech. Ran Gamma Ray Neutron CCL Log from 3257' to 2900' & Cement Bond Log. Good cement from 3257' to 2510', then from 2490' to 1860'. Swab fluid down to 2900'. Perf Howard 3165-71' w/ 3-1/8" HSC PPG, 11 gram charge & 4 spf. Slight blow after shot. Ran swab, FL @ 2600', 300' FU. Swab fluid down to 3200' w/ gas vapor on 2 pulls. Left well open to test tank, SDFN.
- 10-31-02 Csg was dead, FL @ 1400' - 1800' FU. Swab steady w/ slight show of gas before fluid. RU Perf-Tech. Set CIBP @ 3150'. Swab fluid down to 2725'. Perf Langdon Sand 2966-68' w/ 3-1/8" HSC PPG, 11 gram charge & 4 spf. No blow after shot. Swab fluid down to 2950' w/ no gas. Let set 30 min, no fillup. RU Acid Service. Acidize Langdon Sand w/ 500 gal 10% Fe, 10% Methanol. Max press - 500#, min - 275#, avg - 300#, max rate - 1 bpm, min - .30 bpm, avg - 1 bpm, ISIP - 200#, 10 min - 50#, 20 min - 30#. Total load - 61 bbl. FL @ surface. Swab steady, swabbing fluid down to 2900' & swabbing 51 bbl of 61 bbl load w/ no gas. Left well open to test tank, SDFN
- 11-01-02 Csg was dead, FL @ 2400' - 500' FU. Swab fluid back down to 2900', no gas. RU Perf-Tech. Set CIBP @ 2950'. Perf 2716-22' w/ 3-1/8" HSC PPG, 11 gram charge & 4 spf. No blow after shot. Ran swab w/ same FL @ 2850'. Ru Acid Service. Acidize w/ 500 gal 15% Fe, 10% Methanol. Max press - 250#, min - 150#, avg - 200#, max rate - 1 bpm, min - .30 bpm, avg - .75 bpm, ISIP - 150# & 5 min - vac. Total load - 57 bbl. Let set 45 min. FL @ 400'. Swabbed steady w/ last pull from 2700', well kicked off. Swabbed & flowed 70 bbl of 57 bbl load, 13 bbl over. Let well blow of 15 min to lower fluid in test tank. FL @ 1600', swab steady, could only lower FL to 1850'. Swabbed 20 bbl in 45 min. SI csg, SDFN.

Seibert #2-5

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11-02-02
thru
11-03-03
11-04-02

SDFWeekend

SI CP 875#. Tried to get flow test but well would kick out fluid. Ran swab, scattered from surface to perfs. Swabbed fluid down to 2400', let set 15 min, FL @ 2000' - 400' FU, 700' above perfs. RU Perf-Tech. Set CIBP @ 2470'. Perf Ft Riley 2265-72', Krider 2120-32' & Herrington 2098'-2108' w/ 3-1/8" HSC PPG, 11 gram charge & 4 spf. Had good gas blow after Herrington perfs. TIH w/ Baker 4 1/2" Lok-set & Retrieve-o-matic. Set plug @ 2317' & pkr @ 2077' to straddle all 3 zones, SI tbg. SDFN

11-05-02

SI TP 565#. Release & move pkr. RU Acid Services. Acidize Ft Riley 2265-72' w/ 500 gal 28% Fe, 10% Methanol. Max press - 750#, min - 400#, avg - 500#, max rate - 1.6 bpm, min - .30 bpm, avg - 1.0 bpm, ISIP - 100# & 4 min - vac. Total load - 43 bbl. Release & move tools. Acidize Krider 2120-32' & Herrington 2098'-2108' w/ 2000 gal 28% Fe, 10% Methanol. Max press - 1450#, min - 200#, avg - 1000#, max rate - 6.3 bpm, min - .30 bpm, avg - 6.0 bpm, ISIP - 100#, 7 min - vac. Total load - 58.5 bbl. Release & TOH w/ tools. TIH w/ tbg for production as follows:

			Set @
2-3/8" 8rd EUE TP MA	1 jt	15.00'	2464.39'
2-3/8" 8rd SN	1 jt	1.10'	2449.39'
2-3/8" 8rd EUE tbg	78 jts	2443.29'	2448.29'
Below Zero		5.00'	

Landed tbg 7' off bottom, w/ perf in MA @ 2452', 180' below Ft Riley perfs. Ran swab w/ FL @ 700'. Well kicked off after 2nd pull. 1st hr flowed 23 bbl w/ 50# on csg. 2nd hr swabbed & flowed 12 bbl w/ 175# on csg. Well kicked off again. W/ 1" valve on tbg opened enough to hold 90# & going into test tank, csg held 190#. SDFN

11-06-02

Flowing tbg press - 80# w/ 140# on csg & 22 bbl water. Hookup Merla Tester & test gas via tbg. Start @ 540 MCFD, 1 1/2 hr testing, 500 MCFD w/ heavy mist & steady. Hookup tester to csg. Ran 45 min test, 475 MCFD & steady. Blow down well to run rods as follows:

- 2" x 1 1/2" x 12' RWBC w/ 6' GA (new from Gressel)
- 78 - 5/8" x 25' sucker rods (from Julian #1-5)
- 18 - 3/4" x 25' sucker rods (from Sunrise Supply)
- 3/4" x 4', 6', 6' pony rods
- 1 1/4" x 16' PR w/ 6' PRL (from Sunrise Supply)

Longstroke well w/ good pump action, clamp off. RDMODD Ready for hookup to sells. 15 min csg SI - 220#, 45 min - 290#.

Seibert #2-5

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- 11-12-02 MI Bobcat Backhoe Service. Lay 1000' of 2-3/8" tbg for gas line to vertical seperator & 1000' of 2" PVC line for lead line to SW tank. Picked up & set 24"x 10' McDonald vertical seperator w/ 500# working press, 750# test press & S/N 2756-02. SDFN.
- 11-13-02 Bobcat Backhoe Service went to Shields Oil Producers Russell Yard. Pickup & set Lufkin C-57D-95-48 pumping unit, gear ratio - 29.32 to 1, sheave - 24", max stroke - 48" & S/N C556184-386777. Lay 2" PVC line from seperator to SW tank. RU Hugo's Repair. Remove C-66 gas engine from Seibert #1-31 & set on Lufkin pumping unit & get running. Lumen Energy Corp installed meter run & should be ready to open up 11-14-02.
- 11-14-02 RU Bobcat Backhoe Service. Start well to balance out weights & install fence around meter runs, separators & SW tank. SICP - 550#.

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