Form G-2
(Rev. 7/03)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:
- [x] Open Flow
- [ ] Deliverability

Test Date: 05/22/13

API No. 15 – 119-20,125-0000

Company	Lease	Well Number
Chaparral Energy	Barragree	1-30

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Meade	E/2	30	34S	27W	

Field	Reservoir	Gas Gathering Connection
Johan	Chester	DCP Midstream

Completion Date	Plug Back Total Depth	Packer Set at
11/05/1973	6310	6072

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4.500	9.3	3.500	6312	6044	6157

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.375	4.7	1.995	6048		

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
Single	Salt Water	Plunger

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
Tubing	.351	1.179	.6580

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
6101	Flange	Meter Run

Pressure Buildup: Shut in 05/20 20 13 at 10:30 AM (AM) (PM) Taken 05/21 20 13 at 10:30 AM (AM) (PM)

Well on Line: Started 05/21 20 13 at 10:45 AM (AM) (PM) Taken 05/22 20 13 at 10:45 AM (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_2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Casing psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In								166	180.4	24	
Flow	.500	76.6	25	73	60			4	18.4	24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F_b) (F_p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m x h}$	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
1.214	91	47.6445	1.2328	.9877	1.0080	71	0	

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = 32.54 : $(P_w)^2$ = .46 : P_d = _____ % $(P_c - 14.4) + 14.4$ = _____ : $(P_a)^2$ = 0.207, $(P_d)^2$ = .207

$(P_c)^2 - (P_a)^2$ 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: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
32.33	32.08	1.00779	.00337	.850	.00286	1.0066	71

Open Flow 71 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 23 day of May, 20 13.

KCC WICHITA

JUN 05 2013

RECEIVED

Witness (If any)

Doug Fewin
For Company

For Commission

Checked by

Form G-2
(Rev. 7/03)

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 CHAPARRAL ENERGY, L.L.C. 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 BARRAGREE 1-30 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: 6/03/2013

Signature: [signature]

Title: SR. ENG. TECH / REG.

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.

Gas Testing and Measurement
PETROLEUM LABORATORY
EFM INSTALLATION
GAS SURVEYS

GAS PRODUCTION SURVEYS
BACK PRESSURE TESTS
ELECTRONIC VOLUMES
CHART INTEGRATION

THURMOND-McGLOTHLIN, INC.

NATURAL GAS MEASUREMENT
P.O. Box 806
Woodward, OK 73802
580.256.9849 Fax 580.256.5909

FRACTIONAL ANALYSIS *

COMPONENTS	MOL %	GPM
Carbon Dioxide	0.351	
Nitrogen	1.179	
Methane	88.848	14.977
Ethane	4.829	1.283
Propane	2.257	0.618
iso-Butane	0.363	0.118
n-Butane	0.733	0.230
iso-Pentane	0.253	0.092
n-Pentane	0.261	0.094
Hexane +	0.926	0.402

Date Run:	5/22/2013
Company:	Chaparrall
Lease:	Barragree 1-30
Sta. No.:	Sec. 30-34s-27w
Pressure:	91
Temperature:	72
Cylinder No.:	W-550
Analysis By:	TM Woodward
Secured By:	GIF
Date Sampled:	5/22/2013
H2S PPM	

GASOLINE CONTENT @ 14.65 PSIA & 60 F

	GPM
PROPANE & HEAVIER	1.554
BUTANE & HEAVIER	0.936
PENTANE & HEAVIER	0.588

Gross Heating Value
BTU @ 14.65 PSIA & 60 F

Dry	1139.8
Wet	1120.0

SPECIFIC GRAVITY
0.6580

REMARKS:
Spot Sample
One Point

RESULTS TO:
Chaparrall

*Based on GPA 2145 & 2172

Natural gas is one of our Most Valuable and Profitable Properties. Careful Conservation and Expert Handling will pay Abundant Dividends.