GENERAL INFORMATION

Client Information:

Company: Samuel Gary Jr. & Associates

Contact: Tom Fertal

Site Information:

Contact: Tom Larson

Well Information:

Name: Webster 3-4

Location-Downhole:

Test Information:

Company: Trilobite Testing, L.L.C.

Representative: Gary Pevoteaux

Supervisor:

Test Type:

Test Unit:

Start Date: 2000/01/25 Start Time: 11:15:00

End Date: 2000/01/31 End Time:

1pt. 190.00

4pt.

Gas Analysis

Mileage

207 @.85 175.95

Total 365.95

BHP buildup

days@250

2nd Week

3rd Week

4th Week

Remarks:

138 miles 1-25 Gary

69 miles 1-26

KANSAS CORPORATION COMMISSION
ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev.8/98)

TYPE TEST:
☒ Open Flow
☒ Deliverability

TEST DATE: 1/25/2000 API No. 15 033-290975-0000

Company	Lease	Well Number
Samuel Gary Jr. & Associates	Webster	3-4

County	Location	Section	TWP	RNG(E/W)	Acres Attributed
Comanche	SW NW NW	3	33s	19w	160

Field	Reservoir	Gas Gathering Connection
Colter	Pawnee/Ft Scott	Seminole

Completion Date	Plug Back Total Depth	Packer Set at
11/13/98	5296	4965

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.500	15.500	4.950	5405	5004	5183

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.000	4.700	1.995	4963		

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger?
New completion	Oil	

Producing Thru(Annulus/Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity- Gg
tubing	.100	1.925	.632

Vertical Depth (H)	Pressure Taps	Meter Run Size
5093	flange	2.067

Pressure Buildup: Shut in	1/20/00 @ 9:00am	TAKEN	1/25/00 @ 11:15am
Well on Line: Started	1/25/00 @ 11:15am	TAKEN	1/26/00 @ 1:10pm

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H_2O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P_w) (P_t) (P_c) psig	Casing WellHead Press. psia	Tubing WellHead Press. (P_w) (P_t) (F_c) psig	Tubing WellHead Press. psia	Duration (Hours)	Liquid Prod. Barrels
Shut-in						363	377			122.3	
Flow	.875	121.0	14.00	27		308	322			26.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F_b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcfd	GOR	G_m
3.820	135.4	43.54	1.2579	1.0333	1.0144	219		.632

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

$(Pc)^2$ = 142.4 $(Pw)^2$ = 103.9 36.0 % (Pc - 14.4) + 14.4 = $(Pa)^2$ = 0.207 $(Pd)^2$ 18.50

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2 \text{ or } (P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}$	LOG [ ]	Backpressure Curve Slope"n" ---- or ---- Assigned Standard Slope	n x LOG [ ]	Antilog	Open Flow Deliverability = R x Antilog Mcfd
142.22	38.49	3.695	.5676	.748	.4246	2.658	582
123.93	38.49	3.220	.5079	.748	.3799	2.398	525

OPEN FLOW 582 Mcfd @ 14.65 psia DELIVERABILITY 525 Mcfd @ 14.65 psia

The undersigned authority, on behaf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the 31 day of Jan, 2000

Witness (if any)

For Company

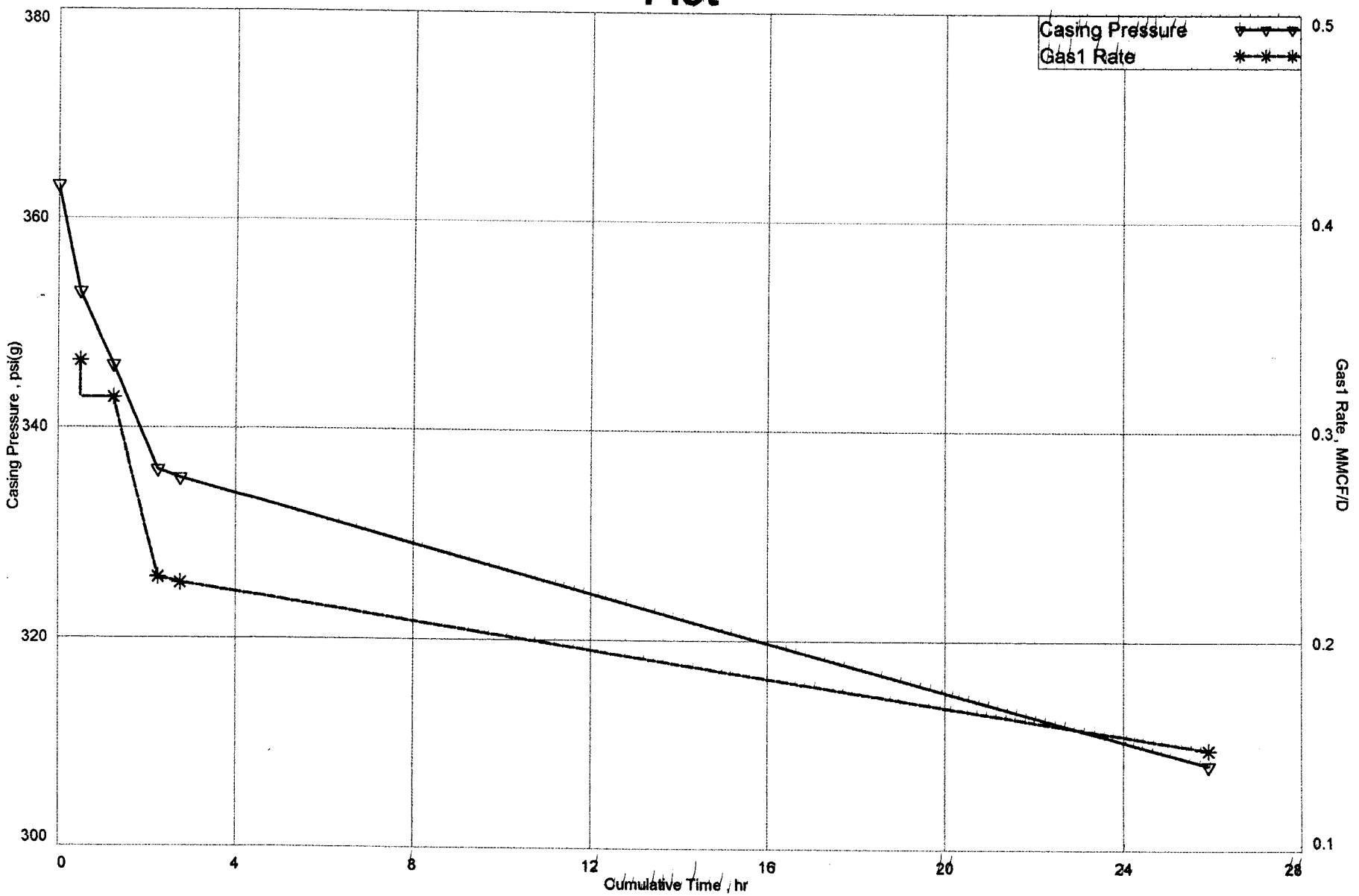
For Commission

Checked by

Samuel Gary Jr. & Associates
Start Test Date: 2000/01/25
Final Test Date: 2000/01/31

Webster 3-4

Plot



Samuel Gary Jr. & Associates
Start Test Date: 2000/01/25
Final Test Date: 2000/01/31

FieldNotes
Field Measurements

Webster 3-4

	Date	Clock Time	Comments	Casing Pres	Static1 Pres	Diff1 Pres	Meter1 Temp	Gas1 Rate	Orifice1
	yyyy/mm/dd	hh:mm:ss		psi(g)	psi(g)	in of H2O	°F	MMCF/D	in
1	2000/01/25	11:15:00		363.20			37.00		0.875
2		11:45:00		353.00	118.00	55.00	44.00	0.422	0.875
3		12:30:00		346.00	136.00	45.00	55.00	0.403	
4		13:30:00		336.00	136.00	27.00	66.00	0.308	
5		14:00:00		335.20	136.00	27.00	75.00	0.305	
6	2000/01/26	13:10:00	1pt						
7		13:10:00		308.20	121.00	14.00	27.00	0.219	
8									
9									
10									
11									
12									
13									
14									

FROM: GARY PEVOTEAUX

FieldNotes

100% 363.2
95%
90%
85% 309
80%

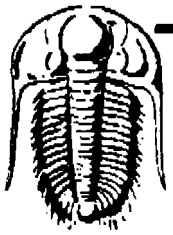
Company: SAM GARY JR. | Address:
Wellname: WEBSTER #3-4
Location: | County: | St:
Formation: | Field/Pool:
TD: | Casing size: | Tubing size: | Plug back depth:
Feet of: | Feet of: | Packer depth:
Meter run size: 2" | Orif (in) .875 | Type meter connection:
Gravity of Liquid: | Orif (in) | Producing through: ANNULUS
Type of completion: | Mileage: 138 ROUND TRIP.

Date	Clk Tim	Tbg Pres	Csg Pres	Diff	Temp	[illegible] PSI	Wat Vol1	Oil Vol	Comment
yy/mm/dd	clock	psi	psi	in of H2O	F	LINE PSI	"		
1-25-00	11:15	N/A	363.2	N/A	37°	N/A	79"	slight	STARTED ON LINE
	11:45		353.	55	44	118	"		
	12:30		346.	45	55	136	"		
	13:30		336.	27	66	136	"		
	14:00		335.2	27	75	136	"		

2ND 1 POINT ON WEBSTER #3-3

LINE PRESS.

436 PSI Casing
138 PSI Line
7" in H_2O Diff
79" Water in Tank
138 MI RD TRIP



TRILOBITE TESTING L.L.C.

24 Hour # 800-728-5369
Hays, FAX # 785-625-5620

Hays, KS 67601
Ph: (785) 625-4778
Paul Simpson
Dan Bangle
Ray Schwager

Scott City, KS 67871
Ph: (316) 872-5479
Rod Steinbrink
Shane McBride

Hugoton, KS 67951
Ph: (316) 544-4019
Mike Colantonio
Lanny Saloga
Scott Bugbee

Pratt, KS 67124
Ph: (316) 672-6679
Gary Pevoteaux
Darren Amerine

FROM GARY PEVOTEAUX

1 POINT TEST ON WEBSTER III 3-4
JAN. 26, 2000 TIME 13:10
Casing Press: 308.2 PSI
Line Pres: 121 PSI
Diffo " : 14" in H_2O
Fluid in 1ST Tank 87"
Temp: 27

137 mi. Rd. Trip.

KANSAS CORPORATION COMMISSION
ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev.8/98)

TYPE TEST:
☒ Open Flow
☒ Deliverability

TEST DATE: 4/10/2001 API No. 15-033-20975

Company	Lease	Well Number
Samuel Gary Jr. & Associates	Webster	3-4

County	Location	Section	TWP	RNG(E/W)	Acres Attributed
Comanche	SW NW NW	3	33s	19w	160

Field	Reservoir	Gas Gathering Connection
Colter	Pwn/FtScott/Mis	

Completion Date	Plug Back Total Depth	Packer Set at
11/13/98	5365	

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.500	15.500	4.950	5405	4993	5202

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.000	4.700	1.995	4963		

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger?
New completion	Oil	pumping unit

Producing Thru(Annulus/Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity- Gg
tubing	.100	1.925	.632

Vertical Depth (H)	Pressure Taps	Meter Run Size
5098	flange	2.067

Pressure Buildup: Shut in	4/6/2001 @ 1100	TAKEN	4/8/2001 @ 1100
Well on Line: Started	4/8/2001 @ 1100	TAKEN	4/9/2001 @ 1400

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H_2O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P_w) (P_t) (P_c) psig	Casing psia	Tubing WellHead Press. (P_w) (P_t) (P_c) psig	Tubing psia	Duration (Hours)	Liquid Prod. Barrels
Shut-in						186	200			72.0	
Flow	.875	100.0	10.00	74		131	145			27.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F_b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcfd	GOR	G_m
3.850	114.4	33.82	1.2579	.9868	1.0090	163		.632

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

$(Pc)^2$ = 40.2 $(Pw)^2$ = 21.1 49.9 % (Pc - 14.4) + 14.4 = $(Pa)^2$ = 0.207 $(Pd)^2$ 10.00

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2 \text{ or } (P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}$	LOG [ ]	Backpressure Curve Slope"n" ---- or ---- Assigned Standard Slope	n x LOG [ ]	Antilog	Open Flow Deliverability = R x Antilog Mcfd
39.95	19.02	2.101	.3224	.750	.2418	1.745	284
30.16	19.02	1.586	.2002	.750	.1502	1.413	230

OPEN FLOW 284 Mcfd @ 14.65 psia DELIVERABILITY 230 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 herein and that said report is true and correct. Executed this the 10 day of Apr, 20 01

Witness (if any)

For Company

For Commission

Checked by

I declare under penelty or 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 Samuel Gary Jr. & Associates 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 Webster 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 vacum at the present time; KCC approval Docket No. _____
- ☐ is incapable of producing at a daily rate in exess of 150 mcf/D

Date: _____

Signature: _____

Title: _____

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.