GENERAL INFORMATION

Client Information:

Company: Samuel Gary Jr. & Associates

Contact:

Site Information:

Contact:

Well Information:

Name: Herd 34-13

Location-Downhole: sw sw sw Sec 34 32s 19w Comanche KS

Test Information:

Company: Trilobite Testing L.L.C.

Representative:

Supervisor: Paul Simpson

Test Type: 1 point test

Test Unit:

Start Date: 2000/05/04 Start Time: 09:30:00

End Date: 2000/05/04 End Time: 10:00:00

1pt. 190.00 BHP buildup

4pt. _____ ____days@250_____

Gas Analysis_____ 2nd Week_____

Mileage 3rd Week_____

272 @.85 231.20 4th Week_____

Total 421.20

Remarks:

Mileage - 5/4/00 136 miles Paul
Mileage - 5/5/00 136 miles Paul

KANSAS CORPORATION COMMISSION
ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev.8/98)

TYPE TEST:
☒ Open Flow
☒ Deliverability

TEST DATE: 5/5/2000 API No. 15-033-20960

Company	Lease	Well Number
Samuel Gary Jr. & Associates	Herd	34-13

County	Location	Section	TWP	RNG(E/W)	Acres Attributed
Comanche	sw sw sw	34	32s	19w	80

Field	Reservoir	Gas Gathering Connection
Colter west	Miss/Ft Scott	anr

Completion Date	Plug Back Total Depth	Packer Set at
6-27-98	5424	

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.500	15.500	4.995	5501	5005	5011

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.375	4.700	1.995	5433	5154	5229

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger?
ACID	water/oil	pumping unit

Producing Thru(Annulus/Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity- Gg
annulus	.153	1.350	.619

Vertical Depth (H)	Pressure Taps	Meter Run Size
5117	flange	2.067

Pressure Buildup: Shut in	5/1/2000@ 10:00am	TAKEN	5/4/2000@ 9:30am
Well on Line: Started	5/4/2000@ 9:30 am	TAKEN	5/5/2000@ 10:00am

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) (P_c) psig	Tubing WellHead Press. psia	Duration (Hours)	Liquid Prod. Barrels
Shut-in						330	344			71.5	
Flow	1.250	113.0	5.00	93		283	297			24.5	1.7

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
8.330	127.4	25.24	1.2710	.9697	1.0087	261	159769.9	.645

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

$(Pc)^2$ = 118.6 $(Pw)^2$ = 88.5 32.8 % (Pc - 14.4) + 14.4 = $(Pa)^2$ = 0.207 $(Pd)^2$ 12.77

$(P_c)^2 - (P_a)^2$ 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
118.40	30.11	3.932	.5946	.582	.3461	2.219	579
105.84	30.11	3.515	.5459	.582	.3177	2.078	543

OPEN FLOW 579 Mcfd @ 14.65 psia DELIVERABILITY 543 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 7 day of May, 19 2000

Witness (if any)

For Company

For Commission

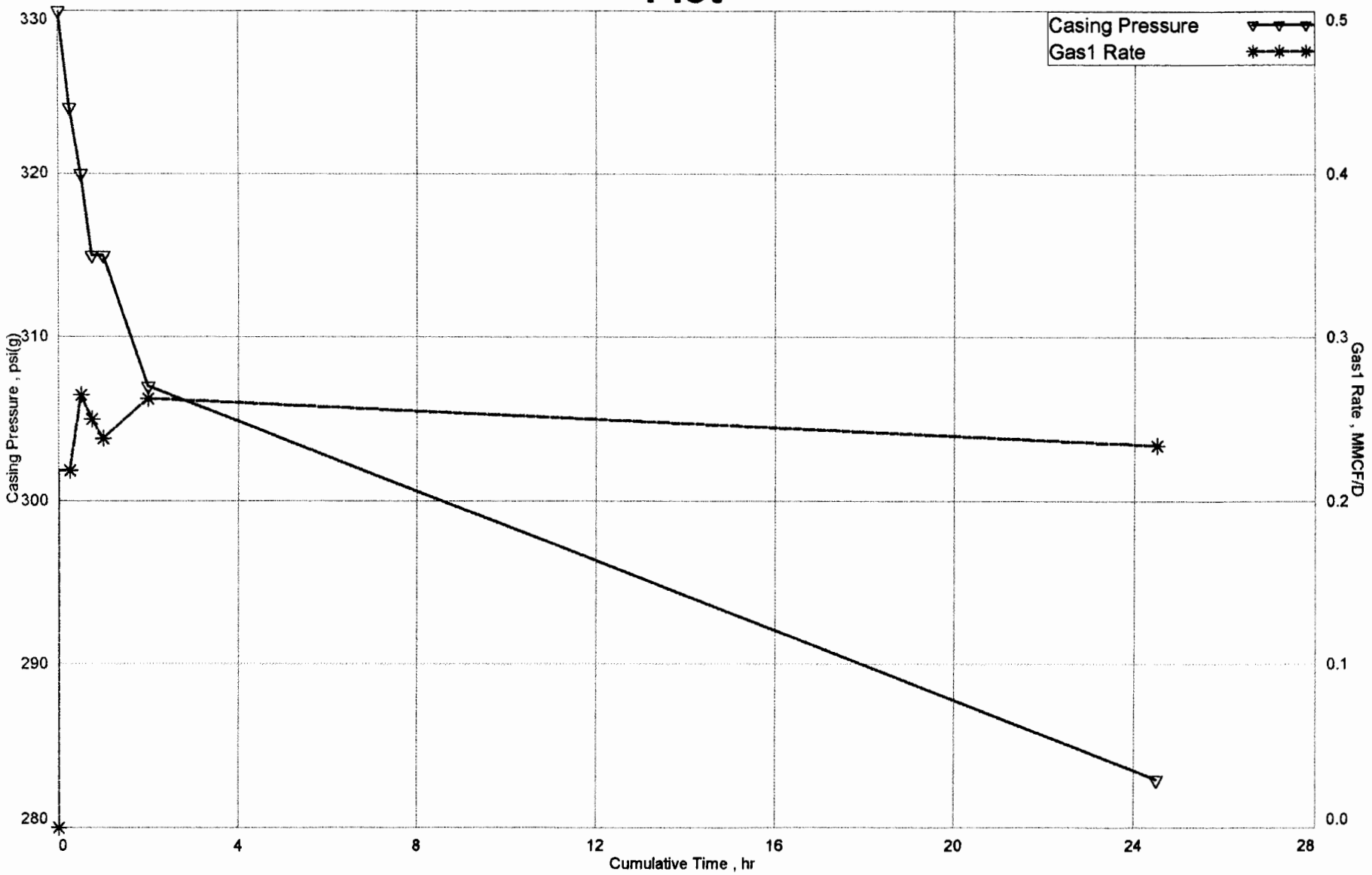
Checked by

Original - Wichita
Copy - Dodge City
Copy - Samuel Gary Jr. & Assoc.

Samuel Gary Jr. & Associates
sw sw sw Sec 34 32s 19w Comanche KS
Start Test Date: 2000/05/04
Final Test Date: 2000/05/04

Herd 34-13

Plot



Samuel Gary Jr. & Associates
sw sw sw Sec 34 32s 19w Comanche KS
Start Test Date: 2000/05/04
Final Test Date: 2000/05/04

FieldNotes
Field Measurements

	Date	Clock Time	Comments	Casing Pres	Static1 Pres	Diff1 Pres	Meter1 Temp	Gas1 Rate
	yyyy/mm/dd	hh:mm:ss		psi(g)	psi(g)	in of H2O	°F	MMCF/D
1	2000/05/04	09:30:00	shutin					
2		09:30:00		330.00				
3		09:45:00		324.00	120.00	4.00	76.00	0.219
4		10:00:00		320.00	119.00	6.00	84.00	0.265
5		10:15:00		315.00	117.00	5.50	90.00	0.250
6		10:30:00		315.00	117.00	5.00	91.00	0.238
7		11:30:00		307.00	132.00	5.50	97.00	0.262
8	2000/05/05	10:00:00	1 pt					
9		10:00:00		283.00	113.00	5.00	93.00	0.234
10								
11								
12								
13								
14								

Company: Sam Gray Jr & Assoc

Address:

Wellname: Heid 34-13

Legal: Sec: Twp: Rge:

Formation: Dcw | F.S Scott | M3s | Field/Pool: | County: | St:

Casing size:	Feet of:	Wt:	Meter run size: 2"	SI: 330
Tubing Size:	Feet of:	Wt:	Orif (in): 1.25	95%
TD:	Pluged back depth:		Packer depth:	90%
Type Test:	Tap Type:		Gravity:	85% 280
Type Completion:	Producing through:			80%

Date mm/dd	Clk Tim clock	Tbg Pres psi	Csg Pres psi	Diff in of H20	Temp F	Static/Prover PSIG	Wat Vol1 inch	Oil Vol inch	Comment
5-4	930		330				13'1"		SI
	945		324	4	76	120			
	1000		320	6	84	~~125~~ 119			
	1015		315	5.5	90	117			
	1030		315	[illegible]5	91	117			Started out
	1130		307	5.5	97	132			
5-5	10:00		283	5"	93	113	1.07 bbl		

Date	Miles	Name	Date	Miles	Name	Date	Miles	Name