

4-29s-40w

15-187-20966

GENERAL INFORMATION

Client Information:

Company: Wabash Production Company

Contact: Bob Kinney

Phone: Fax: e-mail:

Site Information:

Contact: Rodney Gonzales

Phone: Fax: e-mail:

Well Information:

Name: CNB 1-94

Operator: Wabash Production

Location-Downhole: 1450' FSL 330' FEL 4 29s 40w Stanton KS

Location-Surface:

Test Information:

Company: Trilobite Testing

Representative:

Supervisor: Paul Simpson

Test Type: Initial 4 pt

Job Number:

Test Unit:

Start Date: 2001/11/12

Start Time: 08:45:00

End Date: 2001/11/13

End Time: 13:30:00

Report Date:

Prepared By:

Remarks:

Qualified By:

11-12 45 100-45

4pt - 100
1pt - 115
QA 60
11-12 45 38.25
11-13 1 185



TRILOBITE TESTING, INC.

HAYS - SCOTT CITY - HUGOTON - PRATT - CLAY CITY, IL
Since 1986

P.O. BOX 362
HAYS, KANSAS 67601
(800) 728-5369
(785) 625-4778
Fax (785) 625-5620
trilobite@eaglecom.net

Thursday, November 29, 2001

Jim Hemmon
Kansas Corporation Commission
130 S. Market Room 2078
Wichita, KS 67202-3802

Re: Wabash Production CNB 1-94, Jones 1-226

Dear Jim:

Wabash Production & Development, Inc. hired me to run back pressure tests on three of their wells this week. One well, the CNB 1-94, failed the four point test as it was a low pressure well that is making too much fluid to be naturally lifted. (See enclosed data). I therefore respectfully ask you to accept the G-2 as filed with the standard slope of 0.85.

The Jones 1-226, another low pressure well, shut-in for more pressure than the separator was designed to handle. The safety (pop-off) valve on the top vented gas until the pressure 250#. I went ahead and tested this well drawing it down to 90%, 85% & 80%. Thus there are 3 points instead of 4.

I hope this clears up any confusion.

Sincerely,

Paul Simpson

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev.8/98)

TYPE TEST:

- ☒ Open Flow
☒ Deliverability

TEST DATE: 8-13-2001 API No. 15-187-20966

Company Wabash Production		Lease CNB		Well Number 1-94	
County Stanton	Location 1450'FSL 330'FE	Section 4	TWP 29s	RNG (E/W) 40	Acres Attributed 320
Field Unnamed	Reservoir Upper Morrow	Gas Gathering Connection El Paso			
Completion Date 7/2/01	Plug Back Total Depth 5405	Packer Set at			
Casing Size 4.500	Weight 10.500	Internal Diameter 4.052	Set at 5700	Perforations 5088	To 5092
Tubing Size 2.375	Weight 4.700	Internal Diameter 1.995	Set at 5135	Perforations	To
Type Completion (Describe) natural	Type Fluid Production none	Pump Unit or Traveling Plunger? no			
Producing Thru (Annulus/Tubing) tubing	% Carbon Dioxide	% Nitrogen	Gas Gravity- Gg .746		
Vertical Depth (ft) 5090	Pressure Taps flange	Meter Run Size 2.067			
Pressure Buildup: Shut in	11-9-01	TAKEN			
Well on Line: Started		TAKEN			

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H ₂ O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P _w) (P _t) (P _c)		Tubing WellHead Press. (P _w) (P _t) (P _c)		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						302	316	225	239		
Flow	1.375	.1	.03	46		211	225	1	15	28.7	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _b) Mcf/d	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcf/d	GOR	G _m
10.460	14.5	.66	1.1578	1.0137	1.0012	8		.746

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

$(P_c)^2 = 100.1$ $(P_w)^2 = 50.8$ $P_d = .0$ % $(P_c - 14.4) + 14.4 =$ $(P_a)^2 = 0.207$
 $(P_d)^2 = .00$

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$ or $\frac{(P_c)^2 - (P_w)^2}{(P_c)^2 - (P_d)^2}$	LOG	Backpressure Curve Slope "n" ---- or ---- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcf/d
99.90	49.30	2.026	.3067	.850	.2607	1.823	14
100.11	49.30	2.030	.3076	.850	.2615	1.826	14

OPEN FLOW 14 Mcfd @ 14.65 psia DELIVERABILITY 14 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 29 day of August, 2001

Witness (if any)

For Commission

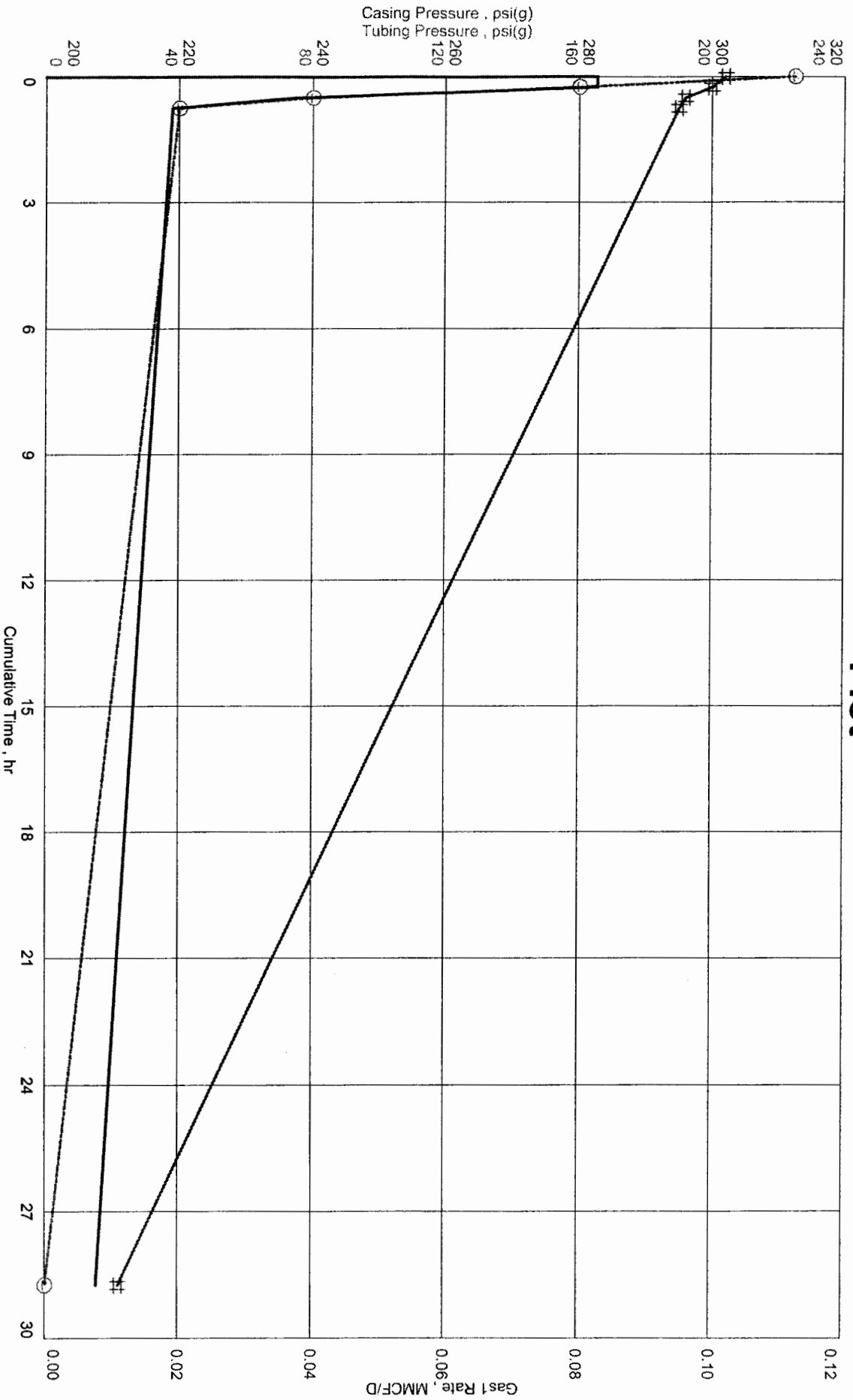
For Company

Checked by

Wabash Production Company
1450' FSL 330' FEL 4 29s 40w Stanton KS
Start Test Date: 2001/1/12
Final Test Date: 2001/1/13

CNB 1-94

Plot



FieldNotes

CNB 1-94

Wabash Production Company
1450' FSL 330' FEL 4 29s 40w Stanton KS
Start Test Date: 2001/11/12
Final Test Date: 2001/11/13

Field Measurements

Date	Time	Comment	Casing		Tubing		Static1		Diff1		Meter1		Gas1	
			Pres	psl(g)	Pres	psl(g)	Pres	psl(g)	Pres	In of H2O	Temp °F	Orifice1 in	Rate	MMCF/D
1	2001/11/12	08:45:00	shutin											
2		08:45:00		302.00		225.00		0.00		0.00		0.000		0.000
3		09:00:00		300.00		160.00		31.06		1.02		42.36	1.375	0.083
4		09:15:00		296.00		80.00		31.20		0.20		46.10		0.037
5		09:30:00		295.00		40.00		31.50		0.05		46.40		0.019
6	2001/11/13	13:30:00		211.00		0.00		0.08		0.03		74.40		0.008
7		13:30:00	1pt											

2001/11/12 08:45:00 To 2001/11/13 13:30:00
Gas 0.017 Cum. 0.017 MMCF

[illegible]

NATURAL GAS ANALYSIS REPORT

Sampled by:

Trilobite Testing, Inc.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 785-625-5620

Analyzed by:

Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-624-5389
Fax: 620-626-7108

Lab Number: 20015949

Analyzed: 11/28/01

Sample From: CNB 1-94 4pt

Pressure:

Producer: Wabash Production

Temperature:

Date: Location: 4-29-40

Time:

County: Stanton

Sampler:

State: Kansas

Source:

Formation: U Morrow

	Mole %	GPM
Helium	He: 0.827	0.000
Hydrogen	H2: 0.024	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 23.915	0.000
Carbon Dioxide	CO2: 0.138	0.000
Methane	C1: 64.019	0.000
Ethane	C2: 3.779	1.011
Propane	C3: 3.832	1.056
Iso Butane	iC4: 0.491	0.161
Normal Butane	nC4: 1.209	0.381
Iso Pentane	iC5: 0.368	0.135
Normal Pentane	nC5: 0.435	0.158
Hexanes Plus	C6+: 0.963	0.420

TOTAL: 100.000 3.321

Z Fact: 0.9977

SP.GR.: 0.7740

BTU (SAT): 934.8 @ 14.73 psia
BTU (DRY): 951.3 @ 14.73 psia
OCTANE RATING: 93.1

COMMENTS:

0.000