

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

TYPE TEST:

- Open Flow
- Deliverability

TEST DATE: 3-2-10

API No. 15-081-21850-0000

Company Strata Exploration		Lease Stapleton		Well Number 2-10	
County Haskell	Location 1318FNL 1480FEL		Section TWP 10 30S 32W	RNG(E/W)	Acres Attributed E/2 (320)
Field N/A	Reservoir Chester Sand		Gas Gathering Connection Regency		
Completion Date 12/17/08	Plug Back Total Depth 5624		Packer Set at N/A		
Casing Size 5.500	Weight 15.500	Internal Diameter 4.950	Set at 5625	Perforations 5390	To 5418
Tubing Size 2.875	Weight 6.500	Internal Diameter 2.441	Set at 5390	Perforations	To
Type Completion (Describe) Natural	Type Fluid Production none		Pump Unit or Traveling Plunger? No		
Producing Thru (Annulus/Tubing) Tubing	% Carbon Dioxide 0.208		% Nitrogen 11.948	Gas Gravity- Gg 0.706	
Vertical Depth (ft) 5404	Pressure Taps Flange		Meter Run Size 3		
Pressure Buildup: Shot in Well on Line: Started	2/26/2010@0900 3/01/2020@1150		TAKEN TAKEN	3/01/2010@ 0900 3/2/2010@1350	

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						790	804	785	799		
Flow	2.000	74.7	77.50	33		748	762	740	754	24.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _D) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times L_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcfd	GOR	C _m
21.860	89.1	83.10	1.1901	1.0270	1.0094	2241		0.706

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_c)² = 647.1 (P_w)² = 581.3 pd = 10.6 (P_c - 14.4) + 14.4 = (P_a)² = 0.207
(P_d)² = 7.29

$(P_c)^2 - (P_d)^2$ or $(P_c)^2 - (P_w)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}$ or $\frac{(P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}$	LOG	Backpressure Curve Slope "n" Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcfd
646.85	66.81	9.830	0.9925	0.697	0.6918	4.918	11022
639.77	66.81	9.722	0.9878	0.697	0.6885	4.881	10938

OPEN FLOW 11022 Mcfd @ 14.65 psia DELIVERABILITY 10938 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 3/3 day of March, 2010

Witness (If any)

For Commission

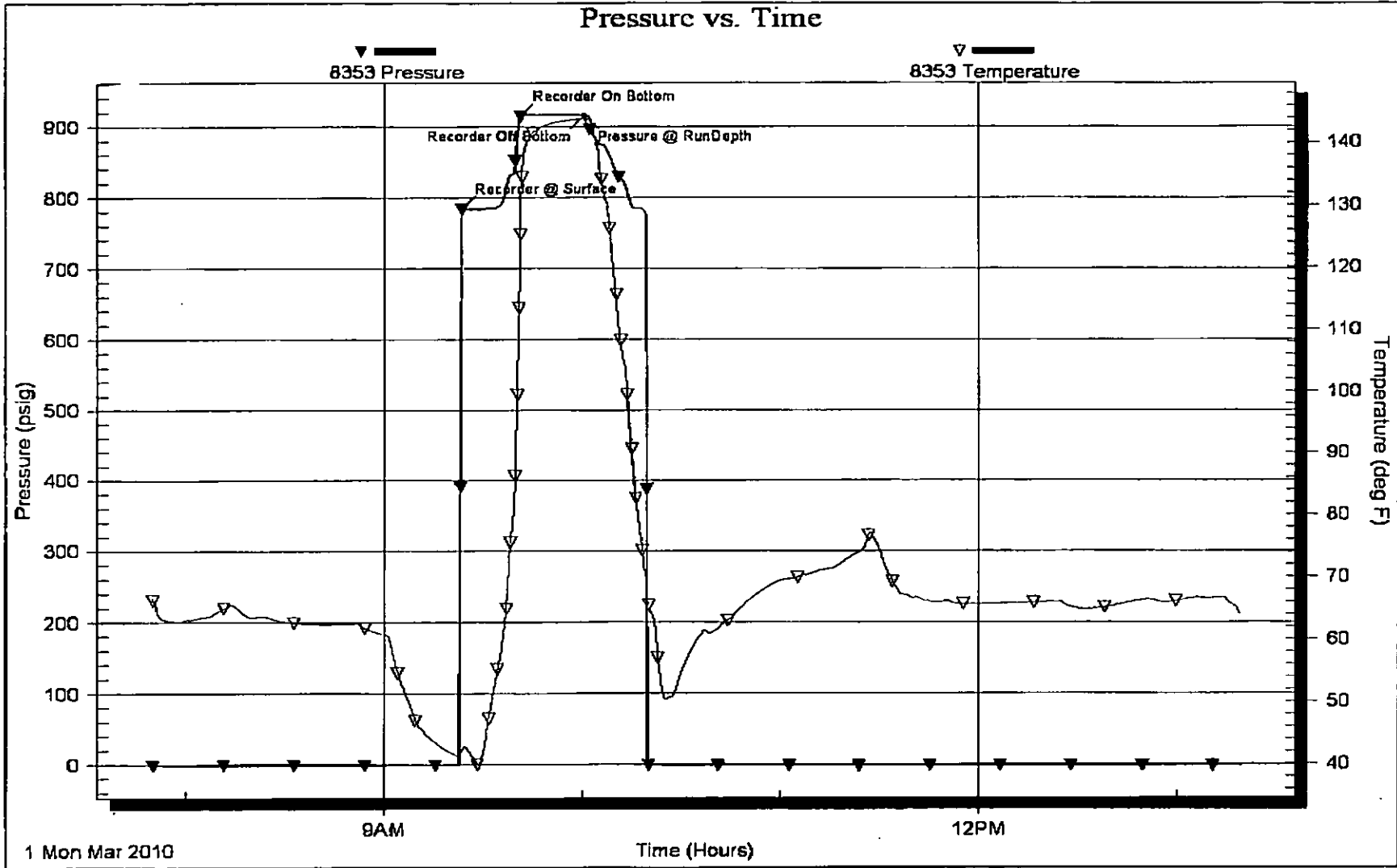
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For Company

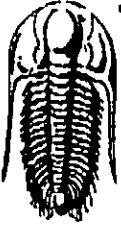
Checked by



Serial # 8353		Top				
Actual Time (Date/Time)	Relative Time (Hours)	Depth (ft)	Pressure (psig)	Temperature (deg F)	Comments	
2010.03.01 @ 07:49:37	0.00139		-1.71	66.62		
2010.03.01 @ 08:24:42	0.58611		-1.71	63.49		
2010.03.01 @ 09:01:42	1.20278		-1.56	59.07		
2010.03.01 @ 09:22:42	1.55278		-1.24	41.10		
2010.03.01 @ 09:22:52	1.55556		292.41	41.25		
2010.03.01 @ 09:23:02	1.55833	0.00	783.69	42.01	Recorder @ Surface	
2010.03.01 @ 09:23:12	1.56111		783.67	42.62		
2010.03.01 @ 09:23:22	1.56389		783.66	42.84		
2010.03.01 @ 09:23:32	1.56667		783.66	42.90		
2010.03.01 @ 09:40:22	1.84722		900.78	107.89		
2010.03.01 @ 09:40:32	1.85000		905.56	112.42		
2010.03.01 @ 09:40:42	1.85278		914.39	118.89	Recorder On Bottom	
2010.03.01 @ 09:40:52	1.85556		914.36	127.10		
2010.03.01 @ 09:41:02	1.85833		914.73	131.54		
2010.03.01 @ 09:41:12	1.86111		915.09	133.94		
2010.03.01 @ 09:59:52	2.17222		916.23	143.92		
2010.03.01 @ 10:00:02	2.17500		916.23	143.92		
2010.03.01 @ 10:00:12	2.17778	5404.00	916.22	143.93	Pressure @ RunDepth	
2010.03.01 @ 10:00:22	2.18056		916.23	143.94	Recorder Off Bottom	
2010.03.01 @ 10:00:32	2.18333		907.24	143.95		
2010.03.01 @ 10:00:42	2.18611		906.26	144.21		
2010.03.01 @ 10:37:42	2.80278		-1.73	61.17		
2010.03.01 @ 11:14:42	3.41944		-1.87	71.24		
2010.03.01 @ 11:51:42	4.03611		-1.78	65.87		
2010.03.01 @ 12:28:42	4.65278		-1.84	65.06		
2010.03.01 @ 13:05:42	5.26944		-1.92	66.66		
2010.03.01 @ 13:19:12	5.49444		-2.48	67.02		

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 TRILOBITE TESTING, INC.	TRANSIENT GAUGE REPORT	
	Strata Exploration ATTN:	Stapleton 2-10 Stapleton 2-10 Licence No: Test Start: 2010.03.01 @ 07:49:32

GENERAL INFORMATION:		Bottom Hole Build-up
Formation:	Field:	Company Rep:
Well Status:		Unit No.:
Deviated: No Whipstock:	ft (CF)	Reference Elevations:
Shut In Date:		ft (KB)
		ft (CF)
Perforations:	ft (CF) To	ft (CF) (TVD)
		KB to CF: ft
Tubing Press: Initial	psig Final	psig inches @ ft (CF) MPP:
Casing Press: Initial	psig Final	psig inches @ ft (CF) Press@MPP:
Open Hole:	inches	B.H. Temp: 143.93 deg F
Packer Depth:	ft (CF)	Assumed Gradient: .02 psig/ft

Serial #: 8353	Top		
Press@RunDepth: 916.22 psig @	5404 ft (CF)	Capacity:	8000 psig
Start Date: 2010.03.01	End Date: 2010.03.01	Last Calib.:	
Start Time: 07:49:37	End Time: 13:19:11	Time On Btm: 2010.03.01 @ 09:40:42	
		Time Off Btm: 2010.03.01 @ 10:00:22	

TEST COMMENT:

RESULTS SUMMARY			
Relative Time (Hours)	Pressure (psig)	Temperature (deg F)	Annotation
670.63985	783.69	42.01	Recorder @ Surface
670.64005	914.39	118.89	Recorder On Bottom
670.64028	916.22	143.93	Pressure @ RunDepth
670.64028	916.23	143.94	Recorder Off Bottom

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Fax

To: Jim Hemmen **From:** Sheila Kinney

Fax: 316-337-6211 **Pages:** including cover

Phone: **Date:** November 29, 2010

Re: Open Flow Test-Stapleton 2 Gas Well **CC:**

Urgent For Review Please Comment Please Reply Please Recycle

Mr. Hemmen

Following is the open flow test results for the test performed on 3/2/2010 on the above referenced well. I was recently notified by a letter from Lane Palmateer, Litigation Counsel that the test was overdue for submission.

I was unaware that you had not received the results of the test. I am not sure what happened but I realize the responsibility to get these results to you is ours and I apologize for this matter. Please reply either by phone, fax or email so I can verify that you have received this fax and feel free to call if you have any questions or if anything further is required.

Sincerely,

Sheila Kinney

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