

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow
- Deliverability

Test Date:
01/10 to 01/12/11

API No. 15
007-23570-00-00

Company Beren Corp.		Lease Dean		Well Number 5	
County Barber	Location N/2N/2SESE	Section 35	TWP 33S	RNG (E/W) 11W	Acres Attributed
Field Roundup South		Reservoir Miss.		Gas Gathering Connection APC	
Completion Date 9/02/10		Plug Back Total Depth 5032		Packer Set at none	
Casing Size 5.5	Weight	Internal Diameter	Set at 5078	Perforations 4596	To 4629
Tubing Size 2.875	Weight	Internal Diameter	Set at 4567	Perforations	To
Type Completion (Describe) single		Type Fluid Production Oil & SW		Pump Unit or Traveling Plunger? Yes / No Yes - pump unit	
Producing Thru (Annulus / Tubing) annulus		% Carbon Dioxide .000		% Nitrogen 1.321	
Vertical Depth(H)		Pressure Taps flange		(Meter Run) (Prover) Size 3"	
Pressure Buildup: Shut in 1/01 20 11 at 9:00 am (AM) (PM) Taken 1/04 20 11 at 9:00 am (AM) (PM)					
Well on Line: Started 1/10 20 11 at 3:30 pm (AM) (PM) Taken 1/12 20 11 at 3:30 pm (AM) (PM)					

OBSERVED SURFACE DATA

Duration of Shut-in **72** Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						504	518.4			72	
Flow	1.500	75	2	56		383	397.4			48	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _p) (F _s) Mctd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	Metered Flow R (Mctd)	GOR (Cubic Feet/Barrel)	Flowing Fluid Gravity G _m
11.41	89.4	13.37	1.243	1.004	-----	190		.647

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = **268.738** ; (P_w)² = **157.926** ; P_d = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_s)² = **0.207**
(P_d)² = _____

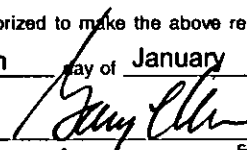
(P _c) ² - (P _s) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _s ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1, or 2, and divide by: $\frac{P_c^2 - P_s^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mctd)
268.531	110.812	2.423	.3843	.680	.2613	1.82	346

Open Flow **346** Mctd @ 14.65 psia X .50 = Deliverability **173** Mctd @ 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 28th day of January, 20 11.

Witness (if any)

For Commission



For Company
CCM, Inc.

Checked by

RECEIVED
FEB 02 2011
KCC WICHITA

STATE OF KANSAS - CORPORATION COMMISSION

FORM CG-1

MULTIPOINT BACK PRESSURE TEST

API 15-007-23570-00-00

TYPE TEST: Initial Annual Special TEST DATE: 1/04/11

COMPANY: Beren Corp LEASE: Dean WELL NO.: 5

COUNTY: Barber LOCATION: N/2N/2SESE SECTION: 35 TWP: 33S RNG: 11W ACRES:

FIELD: Roundup South RESEVOIR: Miss. PIPELINE CONNECTION: APC

COMPLETION DATE: 9/02/10 PLUG BACK TOTAL DEPTH: 5032 PACKER SET AT: none

CASING SIZE: 5.5 WT. ID. SET AT: 5078 PERF. TO: 4629

TUBING SIZE: 2.875 WT. ID. SET AT: 4567 PERF. TO:

TYPE COMPLETION (Describe): single TYPE FLUID PRODUCTION: Oil & SW

PRODUCING THRU: annulus RESERVOIR TEMPERATURE F: BAR PRESS - P_a: 14.4 Psia

GAS GRAVITY - G_g: .647 % CARBON DIOXIDE: .000 % NITROGEN: 1.321 API GRAVITY OF LIQUID:

VERTICAL DEPTH (H): TYPE METER CONN.: flange (METER RUN) (PROVER) SIZE: 3"

REMARKS
Tested into APC pipeline

OBSERVED DATA

DURATION OF SHUT-IN: 2 HR.

RATE No.	ORIFICE SIZE in.	(METER) (PROVER) PRESSURE psig	DIFP. (h _w)(h _d)	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DUR-ATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w)(P _t)(P _c) psia	psig	(P _w)(P _t)(P _c) psia		
SHUT IN						504	518.4			72	
1	1.500	76	5	49		482	496.4			.75	0
2	"	78	11	66		464	478.4			.75	0
3	"	80	20	68		443	457.4			.75	trace
4											
5											

RATE OF FLOW CALCULATIONS

RATE NO.	COEFFICIENT (F _b)(F _p) Mofd	(METER) (PROVER) 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 Q Mofd	GOR	G _m
1	11.41	90.4	21.26	1.243	1.011	---	305		
2	"	92.4	32.22	"	.9943	---	454		
3	"	94.4	43.45	"	.9924	---	611		
4									
5									

PRESSURE CALCULATIONS

RATE NO.	P _t psia	P _c psia	P _w psia	(P _c) ² THOUSANDS	(P _w) ² THOUSANDS	PLOTING POINTS		% SHUT-IN $\left[\frac{P_w - P_a}{P_c - P_a} \right]$
						(P _c) ² - (P _w) ² THOUSANDS	Q Mofd	
1		518.4	496.4	268.7	246.4	22.3	305	95.7
2		"	478.4	"	228.8	39.9	454	92.2
3		"	457.4	"	209.2	59.5	611	88.2
4								
5								

INDICATED WELLHEAD OPEN FLOW: 1,700 Mofd @ 14.65 psia "n" = .680

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 28th day of January, 2011

Witness (if any)
For Commission

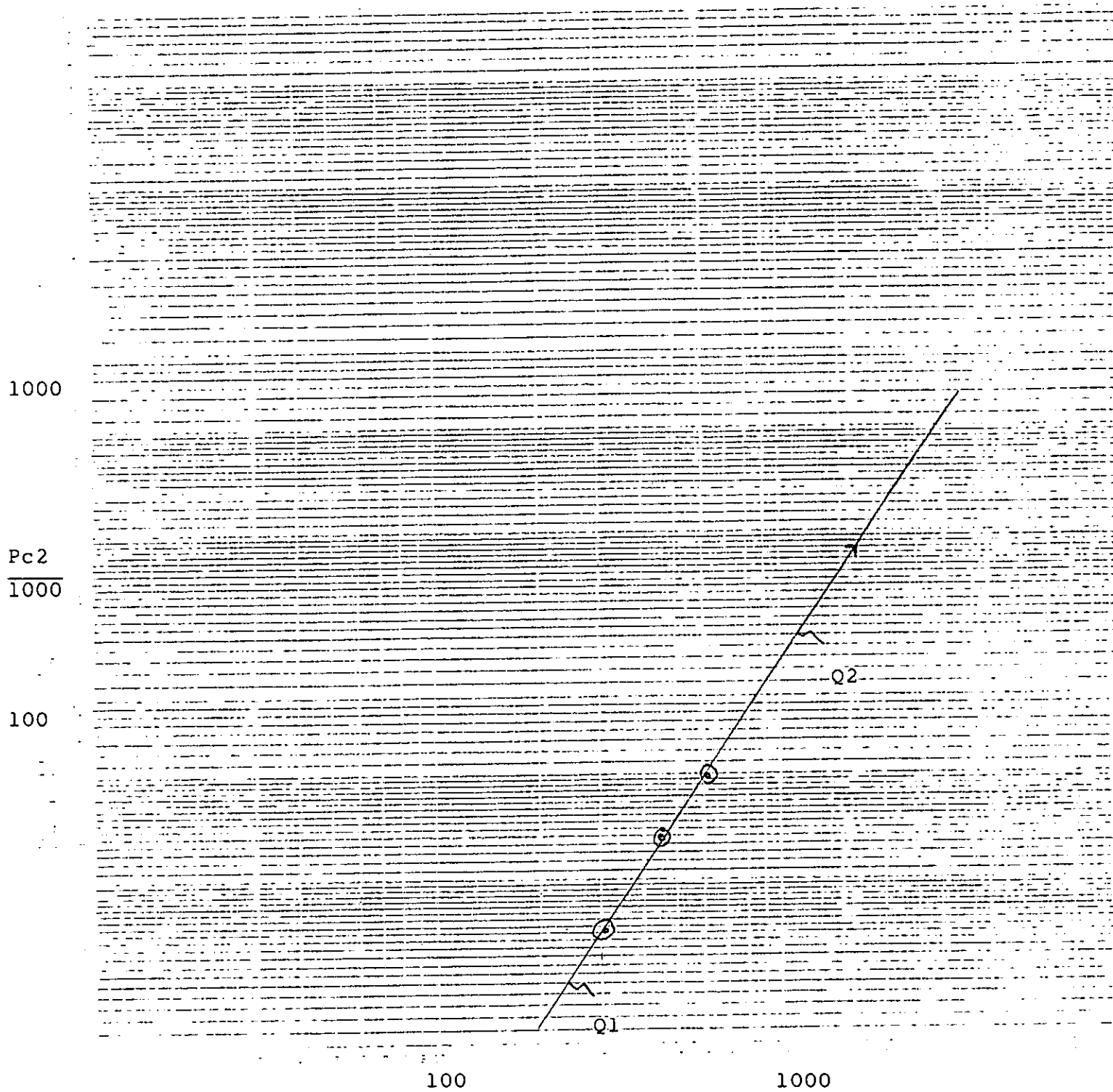
RECEIVED

FEB 02 2011

Greg Allen
For Company
COW, INC
Checked by

KCC WICHITA

Beren Corp - Dean #5
N/2 N/2 SE SE 35-33S-11W
Barber County
Tested 1/04/11



Q2 - 1150 - Log: 3.060
Q1 - 240 - Log: 2.380
"n" = .680

RECEIVED
FEB 02 2011
KCC WICHITA

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 106
 Woodward, OK 73802
 580.256.9849 Fax 580.256.5909

FRACTIONAL ANALYSIS *

COMPONENTS	MOL %	GPM
Carbon Dioxide	0.000	
Nitrogen	1.321	
Methane	88.559	14.928
Ethane	5.668	1.507
Propane	2.456	0.672
iso-Butane	0.342	0.111
n-Butane	0.776	0.243
iso-Pentane	0.208	0.076
n-Pentane	0.230	0.083
Hexane +	0.440	0.191

Date Run: 5/20/2009
 Company: American Pipeline
 Lease: Dean #3 Beren
 Sta. No.: 6892223
 Pressure: 84
 Temperature: 70
 Cylinder No.: W-93
 Analysis By: TM Woodward
 Secured By: GIF
 Date Sampled: 5/14/2009
 H2S PPM

*DEAN #5 GAS
 ANALYSIS NOT
 AVAILABLE - DEAN #
 IS OFFSET WELL*

GASOLINE CONTENT @ 14.65 PSIA & 60 F

REMARKS:
 Spot Sample

	GPM
PROPANE & HEAVIER	1.377
BUTANE & HEAVIER	0.704
PENTANE & HEAVIER	0.350

Gross Heating Value
 BTU @ 14.65 PSIA & 60 F
 Dry 1129.6
 Wet 1109.9

RESULTS TO:
American Pipeline
Medicine Lodge, KS
Wichita, KS
Ardmore, OK

SPECIFIC GRAVITY
 0.6471

*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.*

RECEIVED
 FEB 02 2011
 KCC WICHITA

FIELD DATA SHEET

Pumper:

Phone#:

Type Test:

 Initial

 Annual

 Special

Test Date

01/04/11

JASON

Company

BEREN CORP

Connection

APC

620-440-0170

Field

Reservoir

MISS

Location

Completion Date

Total Depth

Plug Back TD

Elevation

Form or Lease Name

DEAN

Csg. Size

Wt.

d

Set At

Perforations: From

To

Well No.

5

Tbg. Size

Wt.

d

Set At

Perforations: From

To

Sec.

Twp - Blk

Rge - Swr

Type Completion (Describe)

SINGLE

Packer Set At

County or Parish

BAMBER

Producing Thru

CSG

Reservoir Temp. F

@

Mean Annual Temp. F

60

Bore. Press. - P

14.4

State

 G_o

 % CO₂

 % N₂

 % H₂S

Prover

Meter Run

34

Taps

FLL

DATE	ELAP. TIME	WELLHEAD WORKING PRESSURE			METER OR PROVER				REMARKS
		Tbg. Psig	Csg. Psig	Δ P	Pressure Psig	Diff.	Temp. F	Orifice	
9:00	72		504						LIT BURNER IN LINE HEATER
9:30							1.500		COMMENCE TEST
:45			496		75	3.5	37		
:00			487		76	5	48		
:15			482		76	5	49		
:30			476		76	10	58		
:45			469		77	11	64		
:00			464		78	11	66		
:15			454		79	13	67		2.590 491
:30			448		80	19	67		5.090 479
:45			443		80	20	68		7.590 466
:00			413		81	22	70		TRACE OF FLUID THRU CHOK
:15									10.090 454
:30									12.590 441
									15.090 428
									17.590 416
									20.090 403
									25.090 378
3:30									
3:30	48		383		75	2	56		> 01/10/11 Commence 1 Hr TEST
									1 Hr TEST 01/12/11
	0.0								
	0.5								Begin 30 minute wellhead buildup
	1.0								
	1.5								
	2.0								
	3.0								
	4.0								
	5.0								
	6.0								
	7.0								
	8.0								
	9.0								
	10.0								
	15.0								
	20.0								
	25.0								
	30.0								

RECEIVED

FEB 02 2011

KCC WICHITA