

PANTECHS LABORATORIES

☒ P. O. BOX 681 TEL. 806 669-6821 PAMPA, TEXAS 79065
☐ P. O. BOX 3246 TEL. 806 797-4325 LUBBOCK, TEXAS 79452

GAS CONTRACT SETTLEMENT TEST SUMMARY

DATE **1-13-81** EFFECTIVE DATE CYLINDER NUMBER **PL-280**

PURCHASER **Central States Gas Co.** PLANT

OPERATOR LEASE **Knight-Coss Compr.**

LINE SIZE	ORIFICE	CONN.	METER STATION NO. 2231
MAKE OF METER	SERIAL NO.	DIFFERENTIAL RANGE	STATIC RANGE

SAMPLE DATA		CHROMATOGRAPHIC ANALYSIS		
BY: Central States		COMPONENT	MOL %	GPM
DATE: 1-8-81		NITROGEN	8.22	14.65
PRESS. 390		CARBON DIOXIDE	0.15	
TEMP. 60		METHANE C1	85.85	
ATM.		ETHANE C2	3.38	0.899
		PROPANE C3	1.45	0.397
		I-BUTANE I C4	0.21	0.055
		N-BUTANE N C4	0.44	0.130
		I-PENTANE I C5	0.15	0.047
		N-PENTANE N C5	0.15	0.050
		HEXANES + C6	0.14	0.060
		H2S RELIG	0.22	
HEATING VALUE				
GROSS BTU/CU. FT.				
PRESS. BASE 14.65				
TEMP. BASE 60 F				
WATER SAT 980 980				
DRY 997				
		GASOLINE CONTENT		
		PENTANES & HEAVIER		0.161
		BUTANES & HEAVIER		0.307
		PROPANE & HEAVIER		0.764
		25 # GASOLINE		0.243
		SPECIFIC GRAVITY 0.640		

REMARKS:

TESTER

JA

WITNESS

PANTECHS LABORATORIES

☐ P. O. BOX 881 TEL. 806 669-6821 PAMPA, TEXAS 79125
☐ P. O. BOX 3246 TEL. 806 797-4325 LUBBOCK, TEXAS 79452

GAS CONTRACT SETTLEMENT TEST SUMMARY

DATE **2-13-81** EFFECTIVE DATE CYLINDER NUMBER

PURCHASER **United States and Co.** PLANT

OPERATOR

LEASE

KW1647 Dap

LINE SIZE

ORIFICE

CONN.

METER STATION NO.

2231

MAKE OF METER

SERIAL NO.

DIFFERENTIAL RANGE

STATIC RANGE

SAMPLE DATA

CHROMATOGRAPHIC ANALYSIS

BY:	COMPONENT	MOL %	GPM
	NITROGEN		
DATE:	CARBON DIOXIDE		
PRESS.	METHANE C1		
TEMP.	ETHANE C2		
ATM.	PROPANE C3		
	I-BUTANE I C4		
	N-BUTANE N C4		
	I-PENTANE I C5		
	N-PENTANE N C5		
	HEXANES + C6		
	H2S		

HEATING VALUE

GROSS BTU/CU. FT.

PRESS. BASE

TEMP. BASE

60 F

WATER SAT

978

DRY

995

GASOLINE CONTENT

PENTANES & HEAVIER

BUTANES & HEAVIER

PROPANE & HEAVIER

GASOLINE

SPECIFIC GRAVITY 0.637

REMARKS:

TESTER

WITNESS

METER & TEMP. RECORDER TEST REPORT

STA. NO. _____ DATE _____

COMPANY _____ LOCATION _____

CONSUMER _____ DEPARTURE TIME _____

GAS FROM: _____ GAS TO: _____

METER DATA	ORIFICE PLATE DATA	TEMP. RECORDER
Type ☐ Foxboro	Ser. No. _____	Make _____
Hg ☐ ☐ American	Size _____	Ser. No. _____
DRI ☐ ☐ Barton	Inspected ☐	Rge. _____ To _____
☐ _____	Condition: Good ☐	
Ser. No. _____	See Remarks: Bad ☐	
Diff. Rge. _____	☐ DISC CHANGED TO:	
Static Rge. _____	Ser. No. _____	
Diff. Conn. F ☐ P ☐	Size _____	
Static Conn. U ☐ D ☐	Disc In Mic. _____	
Clock Rotation:	Disc Out Mic. _____	
24 Hr. ☐ 7 day ☐ 31 day ☐		

TEST POINTS

Recorder	Test Therm
1 _____	_____
2 _____	_____
3 _____	_____

Left As Found ☒

Corrected ☐

DIFFERENTIAL TEST											STATIC TEST		SP. GRAV. TEST	
Shut In						Left					Found	Left	Bar _____	
U-Tube	0	8	24	36	48	96	64	32	16	0	Gauge			Air _____
	0	4	12	18	24	48	32	16	8	0	Dwt.			Gas _____
Found											Meter			Ranarex ☐
Left											Zero		Gravitometer ☐	
											Meter Record			Sp. Grav. _____
											Gauge ☐	Absolute ☐		
Differential Left			Gravitometer Location					District						

Remarks:

Tester _____

Witness _____

☐ P. O. BOX 681 TEL. 806 669-6821 PAMPA, TEXAS 79065
☐ P. O. BOX 3246 TEL. 806 797-4325 LUBBOCK, TEXAS 79452

DATE 6-28-63		EFFECTIVE DATE		CYLINDER NUMBER PL-123	
PURCHASER Central States Gas Co. PLANT					
OPERATOR			LEASE Knight Gas Corp.		
LINE SIZE	ORIFICE	CONN.	METER STATION NO. 2231		
MAKE OF METER	SERIAL NO.	DIFFERENTIAL RANGE		STATIC RANGE	

REMARKS:	
TESTER	WITNESS



RUPE OIL COMPANY, INC.

P.O. BOX 2273

438 OHIO, WICHITA, KANSAS 67201

(316) 262-3748

January 27, 1988

Mr. John J. Cecil, Jr.
Rt. 1 Box 84
Plevna, KS 67568

Dear John:

I am enclosing run statements from Southern Flow on the Coss-Knight Compressor, Knight tubing and Coss wells. They show no runs for the Knight Tubing during December. Bob's sheets show the Knight tubing was fogged off during most of December but he estimated flow of approximately 480 MCF. I would appreciate your checking this to see why the difference.

Also, I visited with Bob Kumburg Sunday at the Weir location. He said the pump did not seat on the Neville and the Harding Compressor would not run in cold weather. I know that Bob has had a guy from Oklahoma to work on it and Bill has worked on it several times. This is the only time of year they are buying quantities of gas and we need to make sure the compressor runs.

If you would send me a narrative of the history on that compressor I'll get with the supplier (Doug Clothier) and manufacturer (Corken) to do something about it. I'll pull the repair bills and down information from our files.

Sincerely,

Marcia

;me

*2/1/88
JJC
Phyllis
on Knight
Coss is checking
runs for her
known tubing & now
shut in & well not
produce in future*

(Signature)

*copy filed in
John Cecil
File*

JUST 1034-01
DC 2112
TA 062
CLASS LEASE
DATE 01/15/88
TULSA

FAC CENTRAL STATES GAS COMPANY
DISTRICT F PURCHASE METERS
KNIGHT-COSS COMP 2231

VOLUME STATEMENT

FOR MO 12 YEAR 87

FB - X MAKE AMERICAN
FPB - X KIND ORIF MET
FTB - X TYPE BELLOWS
IC - X RANGE 100- 50
FL - CYCLE 7 DAY
FA - TAP/CONN FLG -DN

TUBE 2.067
INDEX
PB-MCF 14.650
TB-MCF 60
M-BASIS AGA-3
FPV-FORM NX-19

MOL%-CO2 .1
MOL%-N2 7.6
BTU - PB
BTU - COND
BTU - FPV Y
ELEV/LAT -

HART DAY	INTEG COUNT	ORIFICE SIZE INCHES	COEFF MCF / HR	FLOW TEMP DEG.F	TEMP FACTOR	GRAVITY AIR = 1	GRAVITY FACTOR	PRES PSIG	F - PV FACTOR	B.T.U. VALUE	COMBINED SPECIAL CONSTANT FACTORS	COMBINED FACTOR FR/Y/EM	LEG	COMPUTED VOLUME MCF	COMPUTED VOL - MMBTU
	DIAL DIFF		PRESSURE MULTIPLIER												AUDITED VOL - MCF
1 01	28.0	.500	.3556	45	1.0147	.635	1.2549	133	1.0110		1.0000	1.0000	5	13	
1 07	905.0	.500	.3556	51	1.0088	.635	1.2549	138	1.0109		1.0000	1.0000		412	
													***	425	
7 14	1081.0	.500	.3556	48	1.0117	.635	1.2549	134	1.0109		1.0000	1.0000		493	
4 1	920.0	.500	.3556	37	1.0229	.635	1.2549	133	1.0117		1.0000	1.0000		425	
1 1	1037.0	.500	.3556	39	1.0208	.635	1.2549	134	1.0116		1.0000	1.0000		478	
3 1	257.0	.500	.3556	36	1.0239	.635	1.2549	127	1.0112		1.0000	1.0000	6	119	
COSS 1475 ÷ 1940 = 76.03															
Kniffly $\frac{0}{1475}$															
Rec															
4228.0															
TOTAL HOURS FLOW: 664.4															

1 - EST FLOW
2 - VENT
3 - TEST RATE

4 - FACTOR
5 - FIRST CHART
6 - FINAL CHART

7 - NO CHART
8 - ADJUSTMENT
9 - COMMENT

PEAK ENTRY
07 493
DATE VOLUME

TOT ENT

43 133 .0
TEMP - P SIG - B.T.U.
STM - AVERAGE

TOTAL VENT

TOTALS

AUDIT DIFF

1940 ✓

SOUTHERN FLOW COMPANIES

COEFF

ULSA

OK 14101-2921 (918) 665-1515

1034-01
2114
002
CHECK
1/15/88
ULSA

FAC CENTRAL STATES GAS COMPANY
COMPRESSOR CHECK
RUPE CROSS #1 1947

VOLUME STATEMENT
FOR MO 12 YEAR 87

FB - X MAKE AMERICAN
FPB - X KIND ORIF MET
FTB - X TYPE BELLOWS
IC - X RANGE 100- 50
FL - CYCLE 7 DAY
FA - TAP/CONN FLG -DN

TUBE 2.067
INDEX
PB-MCF 14.650
TB-MCF 60
M-BASIS AGA-3
FPV FORM NX-19

MOL%-CO2 .20
MOL%-N2 7.88
BTU - PB
BTU - COND
BTU - FPV Y
ELEV/LAT -

JAN 20 1988

INTEG COUNT	ORIFICE SIZE INCHES	COEFF MCF / HR PRESSURE MULTIPLIER	FLOW TEMP DEG-F	TEMP FACTOR	GRAVITY AIR = 1	GRAVITY FACTOR	PRES PSIG	F - PV FACTOR	B.T.U. VALUE	COMBINED SPECIAL CONSTANT FACTORS	COMBINED FACTOR FR/Y/FM	L E G	COMPUTED VOLUME MCF	COMPUTED VOL - MMBTU	AUDITED VOL - MCF
DIAL DIFF															
25.0	.500	.3556	38	1.0218	.647	1.2432	13	1.0000		1.0000	1.0000	5	11		
689.0	.500	.3556	44	1.0157	.647	1.2432	13	1.0000		1.0000	1.0000	***	309		
													320		
790.0	.500	.3556	39	1.0208	.647	1.2432	12	1.0000		1.0000	1.0000		357		
790.0	.500	.3556	28	1.0323	.647	1.2432	13	1.0000		1.0000	1.0000		360		
745.0	.500	.3556	30	1.0302	.647	1.2432	10	1.0000		1.0000	1.0000		339		
216.0	.500	.3556	26	1.0344	.647	1.2432	21	1.0000		1.0000	1.0000	6	99		
TOTAL HOURS FLOW: 688.9															

Handwritten signature

3255 0

TOTAL HOURS FLOW: 688.9

EST FLOW
VENT
TEST RATE

4 - FACTOR
5 - FIRST CHART
6 - FINAL CHART

7 - NO CHART
8 - ADJUSTMENT
9 - COMMENT

PEAK ENTRY
14 360
DATE VOLUME

TOT
ENT

TEMP - P SIG - B.T.U.
STM - AVERAGE

TOTAL VENT

TOTALS

AUDIT DIFF

1475