

WILSON-WRIGHT, INC. PETROLEUM LABORATORIES

BOX 2526

TULSA, OKLA. 74101

(918) 584-8080

1427 E. ADMIRAL BLVD.

Bomb No. 1069 Sampled 2.25 p.m.

October 25, 1974

File No. 3001

Field or Plant No. 2

ILUS Industries

Well or Line Huseman

SE 1/4 Sec. 30 T. 15 R. 8 County Ellsworth

Kanapolis, Kansas 67454

Sepr. or Line Pressure _____ Pdg. Temp. _____

Our Invoice No. Our Lab. No. 7923

HYDROCARBON COMPOSITION BY GAS CHROMATOGRAPH

Components	Mol. %	Gals/MCF
Helium	.49	
Nitrogen	16.56	
Carbon Dioxide	.07	
Methane	59.18	
Ethane	10.38	
Propane	7.38	2.0302
Iso-Butane	1.22	.3988
N-Butane	2.97	.9354
Iso-Pentane	.57	.2080
N-Pentane	.68	.2456
Hexane	.33	.1353
Heptane Plus	.17	.0826
Oxygen	.00	
Total	100.00	4.0361
Gasoline Content: Gal. per 1000 Cu.Ft.		
26# R.V.P. = 27.5 Psia True		.9860
14# R.V.P. = 15. Psia True		.6967
Heating Value, Gross BTU/CF of Gas		1179
Bone Dry at 14.7 Psia, 60°F.		1162
Water Saturated at 30" Hg, 60°F.		0
Specific Gravity of Gas (Air = 1.000)		.8410

Clair C. Wilson

WILSON-WRIGHT, INC. PETROLEUM LABORATORIES

BOX 2526

TULSA, OKLA. 74101

(918) 584-6060

1427 E. ADMIRAL BLVD.

Bomb No. 10000 Sampled 6.00 p.m.

October 31, 1974
File 2991

Field or Plant

Well or Line

Husman #1 (1st sample)

Industries, Inc.
Hutchinson, Kansas 67454

Sec. T. R. R. County

Sepr. or Line Pressure Psig. Temp.

Our Invoice No. Our Lab.No. 1741

HYDROCARBON COMPOSITION BY GAS CHROMATOGRAPH

Components	Mol. %	Gals/MCF
Helium	.10	
Nitrogen	1.45	
Carbon Dioxide	.05	
Methane	64.22	
Ethane	1.80	
Propane	3.39	.9325
Iso-Butane	.51	.1667
N-Butane	1.15	.3622
Iso-Pentane	.24	.0875
N-Pentane	.26	.0939
Hexane	.14	.0574
Heptane Plus	.09	.0437
Oxygen	.00	
Total	100.00	1.7442

Gasoline Content: Gal. per 1000 Cu.Ft.

26# R.V.P. = 27.5 Psia True .4176

14# R.V.P. = 15. Psia True .2956

Heating Value, Gross BTU/CF of Gas

Bone Dry at 14.7 Psia, 60°F. 913

Water Saturated at 30" Hg, 60°F. 899

0

Specific Gravity of Gas (Air = 1.000)

.7532

Clair C. Wilson

Clair C. Wilson

NORTHERN NATURAL GAS COMPANY
OBSERVED SURFACE DATA WORKSHEET
SHEET 1

TYPE TEST: State ☒ INITIAL ☒ ANNUAL ☐ RETEST ☐ SPECIAL TEST DATE: 9-27-71

PERATOR Ilus Industries LEASE Huseman WELL NO. 1-C
EC. 30 TWP. 15 RNG. 8 COUNTY Ellsworth STA. NO. 242011 PIPELINE CONN. NNG
A SYSTEM Ellsworth FIELD Ellsworth RESERVOIR K.C.-Lansing

SG. _____ WT. _____ TBG. SIZE _____ WT. _____ PERFS. _____ TO _____
 YPE COMPLETION: SINGLE () GAS-GAS () GAS-OIL () PACKER () _____ ft. FLOW STRING () _____

DATE ON REFLOW		DATE SHUT IN	TIME	LENGTH OF PREFLOW	AVG. PREFLOW RATE
9-22-77		9-23-77			

ATE SHUT IN _____ LENGTH OF _____ SHUT IN _____ SHUT IN _____
RESS. TAKEN 9-26-77 TIME _____ SHUT IN 72 CSG. PRESS. _____ psig TBG. PRESS. _____ psig

GAS GRAVITY (Gm) _____ API GRAVITY _____ PROVER _____ METER _____ ORIFICE _____ TYPE _____
 Est. (Gg) .750 OF LIQUID @ 60°F _____ SIZE _____ RUN SIZE _____ SIZE _____ TAPS _____

[illegible]

TESTED BY: R. J. Welch WITNESSED BY: Kansas Corp. Comm.

**NORTHERN NATURAL GAS COMPANY
BACK-PRESSURE TEST RESULTS**

OPERATOR: *ILUS Industries Inc* LEASE *Huseman #1-C*
 LOCATION: *Sec. 30-15-8* CO. *Ellsworth* STATE: *Kansas* STA NO: *242011*
 FIELD: *Ellsworth* RESEVOIR: *Kansas City*
 TYPE TEST: *One Point* TEST DATE *9 26 77* GA SYS

PRODUCING THRU: ANNULUS API GRAVITY 0 GAS GRAVITY 0.750 BARA PRESS 14.40
 METERING DEVICE: ORIFICE METER METER RUN SIZE 2 TYPE TAPS: PIPE

RATE NO	ORIFICE SIZE IN.	FLOW TEMP F	METER PRESS PSIA	DIFF IN	WATER PROD BBL/D	LIQUID HYDC BBL/D	GOR MCF/BBL	WH FLOWING PRESSURE CASING PSIA	PRESSURES TUBING PSIA
1	0.0000	60	0.0	0.0				363.6	226.4

SHUT-IN PRESS TYPE CODE: M CUM. PRODUCTION 0 MMCF
 SHUT-IN PRESS CASING 565.7 PSIA TUBING 785.7 PSIA HOURS SHUT-IN 72
 AVERAGE VERTICAL DEPTH 2554 FT LIQUID LEVEL FT CALC BHP/Z 1406.0 PSIA

RATE NO	O/O STATIC COLUMN	DRAW-DOWN FLOWING COLUMN	-----PLOTING PC2-PT2	DATA----- PC2-PW2	FLOW MCF/D	LENGTH HOURS	C FACTOR	WELL HEAD POTENTIAL MCF/D
1	46.3	28.8	566.1	485.1	304	24	0.02856708	323

ESTIMATED FACTOR 24 HOURS TO 72 HOURS= 1.000 DATED 9 26 77
 WH SLOPE 0.700 ABS SLOPE 0.700 ABS POTENTIAL 360 MCF/D AFTER 24 HOURS
 STABL ABS DEL 355 MCF/D AT 114 PSIA STABL WH DEL 318 MCF/D AT 114 PSIA
 STABILIZED WELLHEAD POTENTIAL 323.0 MCF/D

* * * * *	FILE 10 COMPARISON	* * * * *	LINE PRESS. PSIA	MAX. ABILITY, G MCF/D
STAB. C FACTOR FROM FILE 10	0.00000000	*	114.4	198
STAB. WH. DEL 0 MCF/D AT 114 PSIA		*	0.0	0
STAB. WELLHEAD POTENTIAL 0.0 MCF/D		*	0.0	0
		*	0.0	0
* * * * *			0.0	0

TESTED BY: RJW&WK

RLN WITNESS: MEASUREMENT-ROCKWELL TURBOMETER

ILUS INDUSTRIES, INC.

Well H. Seman 1-C

Meter Serial No. 371071 TP-10

Month of Nov. 1977

Station 1010

Date Nov.	Meter Reading	Pressure	Multiplier	Production	Volume MCF
1	9763	54	4.1681	53	247
2	1813	50	4.3959	50	220
3	2853	55	4.7372	40	189
4	9905	54	4.6689	52	243
5	9949	55	4.7372	44	208
6	9992	55	4.7372	43	204
7	10037	55	4.7372	45	213
8	10097	58	4.9420	60	297
9	10122	50	4.3959	25	110
10	10163	45	4.0546	41	166
11	10202	50	4.3959	39	171
12	10252	50	4.3959	50	220
13	10300	54	4.6689	48	224
14	10346	55	4.7372	46	218
15	10391	54	4.6689	45	210
16	10446	55	4.7372	55	260
17	10476	80	6.4437	30	193
18	10510	60	5.0785	34	178
19	10548	60	5.0785	38	193
20	10589	55	4.7372	41	194
21	10628	55	4.7372	39	185
22	10663	60	5.0785	35	178
23	10696	60	5.0785	33	166
24	10737	52	4.5324	41	186
25	10777	70	5.7611	40	230
26	10817	70	5.7611	40	230
27	10857	73	5.9659	40	239
28	10890	74	6.0341	33	199
29	10928	70	5.7611	38	214
30	10971	55	4.7372	43	204

TOTAL 4114
MCF