Form G-2
(Rev. 8/98)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:
☑ Open Flow
☐ Deliverabilty

Test Date: 5-23-99 API No. 15

Company	Lease	Well Number
Rupe Oil Co, Inc	Sunridge Farms	1

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Ellsworth	C NE/4	17	16S	7W	160

Field	Reservoir	Gas Gathering Connection
Kanak	Tarkio	Enron

Completion Date	Plug Back Total Depth	Packer Set at
6-27-94	1835'	none

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4 1/2	9.5	4.090	1876'	1758'	- 1774'

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2 3/8" #	4.7 #	1.995"	1772'	O.E.	

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
Single - Gas	SW	no

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
tbg	0.036	38	0.732

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
1766'	flange	2.0"

Pressure Buildup: Shut in 5-3 19 99 at 10:00 (AM) (PM) Taken 5-22 19 99 at 9:00 (AM) (PM)

Well on Line: Started 5-22 19 99 at 9:00 (AM) (PM) Taken 5-23 19 99 at 9:00 (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in > 72 Hours

Static / Dynamic Property	Orifice Size inches	Circle one: Meter or Prover Pressure psig	Pressure Differential in (h) Inches H_2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Casing Wellhead Pressure psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing Wellhead Pressure psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	—	—	—	—	72	350	364.4	280	294.4	> 72	—
Flow	0.750	90	5	67	77	180	194.4	90	104.4	24	0

FLOW STREAM ATTRIBUTES

Plate Coeffiecient (F_b) (F_p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times H_w}$	Gravity Factor F_g	Flowing Temperature Factor F_{tt}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m
2.779	104.4	22.84	1.169	0.9933	1.006	74	—	—

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = 132.8 $(P_w)^2$ = 37.8 : P_d = — % $(P_c - 14.4) + 14.4$ = — : $(P_a)^2$ = 0.207 $(P_d)^2$ = —

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog Mcfd
132.6	95.0	1.396	0.1449	0.727	0.1053	1.274	94

Open Flow 94 Mcfd @ 14.65 psia Deliverability 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 therein, and that said report is true and correct. Executed this the 10th day of June, 19 99.

Witness (if any)

For Company

For Commission

Checked by

Form G-2
(Rev. 8/98)

I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rupe Oil Co, Inc, and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.

I hereby request a permanent exemption from open flow testing for the Sunridge Farms #1 gas well on the grounds that said well:

(Check one)

- ☐ is a coalbed methane producer
- ☐ is cycled on plunger lift due to water
- ☐ is a source of natural gas for injection into an oil reservoir undergoing ER
- ☐ is on vacuum at the present time; KCC approval Docket No. _____
- ☒ is incapable of producing at a daily rate in excess of 150 mcf/D

Date: 6-10-99

Signature: John Cecil Jr

Title: Consulting Engineer

Instructions: All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under "observed surface data." Shut-in pressure shall thereafter be reported yearly in the same manner.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.

Form G-2
(Rev. 8/98)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:
☐ Open Flow
☐ Deliverabilty

Test Date: 11-19-02

API No. 15

Company	Lease	Well Number
Hupe Oil Co.	Sunnidge Farms	1

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Allen	C NE/4	17	16 S	7	160

Field	Reservoir	Gas Gathering Connection
Bonds	Cherokee	Hupe Oil Co.

Completion Date	Plug Back Total Depth	Packer Set at
6-27-94	1835	

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4½	9.5	4.090	1876	1758	1774

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2⅜	4.7	1.995	1772		

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? (Yes) / No
Single - Gas	Saltwater	

Producing Thru (Annulus) / Tubing	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
Annulus	0.036	38	0.732

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
1766	Flange	2

Pressure Buildup: Shut in 11-18 to 02 at 12:15 (AM) (PM) Taken 11-19 to 02 at 12:15 (AM) (PM)

Well on Line: Started _____ 19 ___ at _____ (AM) (PM) Taken _____ 19 ___ at _____ (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size inches	Circle one: Meter or Prover Pressure psig	Pressure Differential in (h) Inches H_2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Casing Wellhead Pressure psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing Wellhead Pressure psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						70				24	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coeffiecient (F_b) (F_p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times H_w}$	Gravity Factor F_g	Flowing Temperature Factor F_{tt}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = _____ : $(P_w)^2$ = _____ : P_d = _____ % $(P_c - 14.4) + 14.4$ = _____ : $(P_a)^2$ = 0.207 $(P_d)^2$ = _____

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by: $\left[\frac{P_c^2 - P_w^2}{}\right]$	Backpressure Curve Slope = "n" -------or------- Assigned Standard Slope	n x LOG [ ]	Antilog	Open Flow Deliverability Equals R x Antilog Mcfd

Open Flow _____ Mcfd @ 14.65 psia Deliverability _____ 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 therein, and that said report is true and correct. Executed this the 19 day of November, 2002.

Witness (if any)

For Company

For Commission

Checked by

Form G-2
(Rev. 8/98)

I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rupe Oil Co. and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.

I hereby request a permanent exemption from open flow testing for the Jennifer Ann gas well on the grounds that said well:

(Check one)

- ☐ is a coalbed methane producer
- ☐ is cycled on plunger lift due to water
- ☐ is a source of natural gas for injection into an oil reservoir undergoing ER
- ☐ is on vacuum at the present time; KCC approval Docket No. _____
- ☒ is incapable of producing at a daily rate in excess of 150 mcf/D

Date: 11-19-02

Signature: Mike Rupe

Title: pumper

Instructions: All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under "observed surface data." Shut-in pressure shall thereafter be reported yearly in the same manner.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.

Arrow Measurement, Inc.

4900 S. Lewis Ave., Ste. 300, Tulsa, OK 74105-5159

P.O. Box 2481
Tulsa, OK 74101-2481

TELEPHONE
(918) 749-7772
FAX: (918) 747-4863

GAS STATEMENT

Customer: RUPE OIL COMPANY INC.
Lease: SUN RIDGE FARMS

Field:
Operator:
Station: 1

Prod. Period: January 1996 (ID# 759901)

Type Meter	Base				FPb Factor	Btu Cond	Ranges			Clock Hours	Fitting Type	Static Source	Press Set	Line Size	Percent		Machine Const.	Date Processed
	Press	Atmos	Btu	Temp			Static	Diff	Temp						CO2	N2		
ORIFICE	14.650	13.200	0.000	15	1.0056		500	100	0	168	FLANGE	DOWN STREAM	PSIG	2.067	0.000	0.000	7.0000	02-20-96

CHT Num	Adjustments			Averages			Int Cnt	Specific Gravity	Hours Flow	Orifice Size	Factors						Btu Cu. ft.	Chart Dates	Volume	
	Diff	Press	Hours	Press	Diff	Temp					Orifice	Gravity	Temp	Fr - Fy	Fpv	Misc.			Mcf	Mmbtu
1				76	30.5	60	468	0.7490	63.0	0.750	115.14	1.1555	1.0000	1.0031	1.0092	1.0000		01-25-01	443	
			Totals)))	76	30.5	60	468		63.0										443	

Arrow Measurement, Inc.

3636 S. Peoria Ave., Tulsa, OK 74105-3255

P.O. Box 2481
Tulsa, OK 74101-2481

TELEPHONE
(918) 749-7772
FAX: (918) 747-4863

GAS STATEMENT

Field:
Customer: RUPE OIL COMPANY INC.
Operator:
Lease: SUN RIDGE FARMS
Station: 1
Prod. Period: December 1994 (ID# 759901)

Type Meter	Base				FPb Factor	Btu Cond	Ranges			Clock Hours	Fitting Type	Static Source	Press Set	Line Size	Percent		Machine Const.	Date Processed
	Press	Atmos	Btu	Temp			Static	Diff	Temp						CO2	N2		
ORIFICE	14.650	13.200	0.000	15	1.0055		500	100	0	168	FLANGE	DOWN STREAM	PSIG	2.067	0.000	0.000	7.0000	01-13-95

CHT Num	Adjustments			Averages			Int Cnt	Specific Gravity	Hours Flow	Orifice Size	Factors						Btu Cu. ft.	Chart Dates	Volume	
	Diff	Press	Hours	Press	Diff	Temp					Orifice	Gravity	Temp	Fr - Fy	Fpv	Misc.			Mcf	Mmbtu
1			-42.25	76	12.7	60	744	0.7490	154.4	0.750	115.14	1.1555	1.0000	1.0023	1.0093	1.0000		12-01-07	548	
2				94	8.5	60	699	0.7490	162.0	0.750	115.14	1.1555	1.0000	1.0021	1.0115	1.0000		12-07-14	663	
3				100	23.6	60	1199	0.7490	162.5	0.750	115.14	1.1555	1.0000	1.0023	1.0123	1.0000		12-14-21	1139	
4				100	21.5	60	1041	0.7490	147.5	0.750	115.14	1.1555	1.0000	1.0022	1.0123	1.0000		12-21-28	988	
5				99	23.0	60	453	0.7490	62.3	0.750	115.14	1.1555	1.0000	1.0023	1.0122	1.0000		12-28-01	430	
			Totals)))	95	18.8	60	4136		688.6										3768	

Arrow Measurement, Inc.

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P.O. Box 2481
Tulsa, OK 74101-2481

TELEPHONE
(918) 749-7772
FAX: (918) 747-4863

GAS STATEMENT

Customer: RUPE OIL COMPANY INC.
Lease: KANOPOLIS FEDERAL #1

Field:
Operator:
Station: 4

Prod. Period: December 1994 (ID# 759901)

Type Meter	Base				FPb Factor	Btu Cond	Ranges			Clock Hours	Fitting Type	Static Source	Press Set	Line Size	Percent		Machine Const.	Date Processed
	Press	Atmos	Btu	Temp			Static	Diff	Temp						CO2	N2		
ORIFICE	14.650	13.200	0.000	15	1.0055		500	100	0	168	FLANGE	DOWN STREAM	PSIG	2.067	0.000	0.000	7.0000	01-13-95

CHT Num	Adjustments			Averages			Int Cnt	Specific Gravity	Hours Flow	Orifice Size	Factors						Btu Cu. ft.	Chart Dates	Volume	
	Diff	Press	Hours	Press	Diff	Temp					Orifice	Gravity	Temp	Fr - Fy	Fpv	Misc.			Mcf	Mmbtu
1				72	66.7	60	1267	0.7500	117.6	0.500	50.52	1.1547	1.0000	1.0060	1.0088	1.0000		12-01-07	527	
2				88	40.6	60	1467	0.7500	160.1	0.500	50.52	1.1547	1.0000	1.0036	1.0108	1.0000		12-07-14	611	
3				91	3.9	60	506	0.7500	176.2	0.500	50.52	1.1547	1.0000	1.0032	1.0113	1.0000		12-14-21	210	
4				94	1.3	60	283	0.7500	166.8	0.500	50.52	1.1547	1.0000	1.0050	1.0116	1.0000		12-21-28	118	
5				89	1.2	60	149	0.7500	95.6	0.500	50.52	1.1547	1.0000	1.0055	1.0109	1.0000		12-28-01	62	
			Totals)))	84	39.9	60	3672		716.4										1528	

Arrow Measurement, Inc.

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P.O. Box 2481
Tulsa, OK 74101-2481

TELEPHONE
(918) 749-7772
FAX: (918) 747-4863

GAS STATEMENT

RECEIVED DEC 19 1994

Customer: RUPE OIL COMPANY INC.
Lease: KANOPOLIS FEDERAL #1

Field:
Operator:
Station: 4

Prod. Period: November 1994 (ID# 759901)

Type Meter	Base				FPb Factor	Btu Cond	Ranges			Clock Hours	Fitting Type	Static Source	Press Set	Line Size	Percent		Machine Const.	Date Processed
	Press	Atmos	Btu	Temp			Static	Diff	Temp						CO2	N2		
ORIFICE	14.650	13.200	0.000	15	1.0055		500	100	0	168	FLANGE	DOWN STREAM	PSIG	2.067	0.000	0.000	7.0000	12-16-94

CHT Num	Adjustments			Averages			Int Cnt	Specific Gravity	Hours Flow	Orifice Size	Factors						Btu Cu. ft.	Chart Dates	Volume	
	Diff	Press	Hours	Press	Diff	Temp					Orifice	Gravity	Temp	Fr - Fy	Fpv	Misc.			Mcf	Mmbtu
1				96	6.2	60	620	0.7500	167.0	0.500	50.52	1.1547	1.0000	1.0026	1.0119	1.0000		11-01-08	258	
2				96	0.2	60	35	0.7500	53.6	0.500	50.52	1.1547	1.0000	1.0129	1.0118	1.0000		11-08-15	14	
3				102	0.6	60	87	0.7500	72.2	0.500	50.52	1.1547	1.0000	1.0070	1.0125	1.0000		11-15-23	36	
	Chart not rec'd for 11/29-12/1 period !																			
4				76	0.6	60	65	0.7500	63.2	0.500	50.52	1.1547	1.0000	1.0082	1.0093	1.0000		11-23-29	27	
		Totals)))		95	4.9	60	807		356.0										335 ✓	

ENRON GAS PROCESSING
BUSHTON LABORATORY
HYDROCARBON ANALYSIS REPORT

Sample Name **SUN RIDGE FARMS**

Sample Info **Laboratory No. 954346**
Sample Type SPOT
Sample Date 08:00 09/15/95

Acquired on 18 Sep 95 06:48 AM

Data File Name C:\HPCHEM\4\DATA\09-15-95\NV-F0114.D

COMPONENT	Mole %	Ideal Btu	Comp Z	S. G.	Gal/Mscf
HELIUM	1.378	0	-0.000234272	-0.001904492	
HYDROGEN	0.000	0	0	0	
OXYGEN	0.000	0	0	0	
NITROGEN	38.382	0	0.00629462	0.371240553	
METHANE	57.103	576.5735934	0.024897107	0.316307462	
C-DIOXIDE	0.036	0	2.28773E-05	0.000543193	
ETHANE	2.112	37.36796901	0.001936285	0.021922035	0.564742168
PROPANE	0.807	20.29794628	0.001118117	0.012283158	0.222292496
ISOBUTANE	0.000	0	0	0	0
N-BUTANE	0.000	0	0	0	0
ISOPENTANE	0.000	0	0	0	0
N-PENTANE	0.000	0	0	0	0
HEXANES+	0.183	9.367934829	0.000876652	0.00587667	0.079680628
TOTAL	100.000	643.607	0.035	0.730	0.867

Molecular Weight 21.145

IDEAL@14.73 PSIA 60 DEG. F

Z= 0.998781
REAL BTU 645.9
REAL S. G. 0.732367

COMMENTS :