

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

SIP Test.

(See Instructions on Reverse Side)

Type Test:

- Open Flow
 Deliverability

Test Date:
9-13-11

API No. 15
15-175-22151 - 0000

Company UNIT PETROLEUM COMPANY		Lease REISS		Well Number 2	
County SEWARD	Location 1160FNL & 1980FEL	Section 10	TWP 32S	RNG (E/W) 31W	Acres Attributed
Field KISMET		Reservoir MORROW		Gas Gathering Connection	
Completion Date 11-22-08		Plug Back Total Depth 5630		Packer Set at 5451	
Casing Size 4.5	Weight 11.6	Internal Diameter 4.000	Set at 5670	Perforations 5505	To 5509
Tubing Size 2.375	Weight 4.7	Internal Diameter 1.995	Set at 5470	Perforations	To
Type Completion (Describe) SINGLE GAS		Type Fluid Production WAER		Pump Unit or Traveling Plunger? Yes / No YES-PLUNGER	
Producing Thru (Annulus / Tubing) TUBING		% Carbon Dioxide 0.132		% Nitrogen 7.683	
Vertical Depth(H) 5507		Pressure Taps FLANGE		(Meter Run) (Prover) Size 3.068"	
Pressure Buildup: Shut in 9-12-11 20 at 1400 (AM) (PM) Taken 9-13-11 20 at 1800 (AM) (PM)					
Well on Line: Started _____ 20 at _____ (AM) (PM) Taken _____ 20 at _____ (AM) (PM)					

OBSERVED SURFACE DATA

Duration of Shut-in **28.0** Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter or 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 _e)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						PKR		365.5	379.9	28.0	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _v) (F _p) Mcfd	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 _{ps}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_e)² = _____ : (P_w)² = _____ : P_e = _____ % (P_e - 14.4) + 14.4 = _____ : (P_e)² = 0.207
(P_w)² = _____

(P _e) ² - (P _w) ² or (P _i) ² - (P _w) ²	(P _e) ² - (P _w) ²	Choose formula 1 or 2: 1. P _e ² - P _w ² 2. P _i ² - P _w ² divided by: P _e ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_e^2 - P_w^2}{P_e^2 - P_w^2}$	Backpressure Curve Slope = "n" ----- 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 13 day of SEPTEMBER, 20 11.

Copy to KCC Wichita
Witness (if any)
Copy to KCC Dodge City
For Commission

Precision Wireline Testing
For Company
Mark Beard
Checked by

RECEIVED
SEP 21 2011
KCC WICHITA

I declare under penalty of 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 UNIT PETROLEUM COMPANY and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.

I hereby request a one-year exemption from open flow testing for the REISS #2 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 not capable of producing at a daily rate in excess of 250 mcf/D

I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.

Date: 09/16/2011

Signature: 
Title: Production Manager

Instructions: If a gas well meets one of 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 claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been 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 for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.

RECEIVED
SEP 21 2011
KCC WICHITA

XX

Sample No: 20113243

PRECISION WIRELINE AND TESTING
NATURAL GAS ANALYSIS REPORT
620-624-4505

Operator: UNIT PETROLEUM CO Analysis Date: 09/14/11
Well Name: REISS 2 Sample Date: 09/14/11
Location: 10-32S-31W Sample Pressure: 80.5
County: SEWARD Sample Temperature: 79
State: KANSAS Sample Time: 1630

Sample Source: METER RUN
Formation: MORROW
Bottle No: P-12
Requested By: UNIT PETROLEUM CO
Sampled By: MARK

XX
XX

NATURAL GAS ANALYSIS

	Mole %	GPM
Helium	0.168	
Hydrogen	0.000	
Oxygen	0.000	
Nitrogen	7.683	
Carbon Dioxide	0.132	
Methane	81.477	
Ethane	5.481	2.056
Propane	3.101	1.163
Iso Butane	0.407	0.125
Normal Butane	0.826	0.263
Iso Pentane	0.188	0.052
Normal Pentane	0.209	0.058
Hexanes Plus	0.328	0.075
TOTALS	100.000	3.790

Z Factor: 0.9998
Specific Gravity: 0.6775

BTU/cu.ft. (sat, 60 F. 14.73 psia): 1064.5
BTU/cu.ft. (dry, 60 F. 14.73 psia): 1083.3
Octane Rating 116.1

XX
Comments:

RECEIVED
SEP 21 2011
KCC WICHITA