

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Form G-2
(Rev. 8/98)

Type Test

Open Flow
 Deliverability

Test Date: **07/23/13**

API No. 15- 175-10179 - **0000**

Company Kerr-McGee Oil & Gas Onshore LP		Lease LIGHT		Well Number A-1	
County SEWARD	Location C-NE-SE	Section 10	TWP 35S	RNGE (E/W) 32W	Acres Attributed 640
Field LIGHT		Reservoir L. MORROW	Gas Gathering Connection DCP		
Completion Date 02/23/51		Plug Back Total Depth 6260	Packer Set at N/A		
Casing Size 7	Weight 23	Internal Diameter 6.366	Set at 6300	Perforations 6089	To 6117
Tubing Size 2.375	Weight 4.7	Internal Diameter 1.995	Set at 6126	Perforations N/A	To N/A
Type Completion (Describe) GAS	Type Fluid Production WATER	Pump Unit or Traveling Plunger? PUMP	Yes / No YES		
Producing Thru (Annulus / Casing) CASING	% Carbon Dioxide 0.124	% Nitrogen 0.957	Gas Gravity - G _g 0.643		
Vertical Depth (H) 6103	Pressure Taps FLANGE	(Meter Run) X	(PROVER)	Size 2	

Pressure Buildup: Shut in 07/19/13 at 9:15 a.m. Taken 07/22/13 at 9:15 a.m.
 Well on Line: Started 07/22/13 at 9:15 a.m. Taken 07/23/13 at 9:15 a.m.

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 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						157.5	171.9	PUMP		72	
Flow	0.500	20.5	2.2	80	60	121	135.4	PUMP		24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _p) Mcfd	Circle One: Meter or Prover Pressure psia	Pressure Extension Sqrt ((Pm)(Hw))	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	Metered Flow R (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
1.266	34.9	8.762	1.247	0.981	1.000	14	0	0.000

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 29.55 (P_w)² = 18.333 P_d = _____ % (P_c-14.4)+14.4 = _____ (P_w)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. (P _c ² - P _w ²) and divide by:	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG ()	Antilog	Open Flow Deliverability Equals R x Antilog Mcfd
29.343	11.217	2.616	0.418	0.850	0.355	2.266	32

Open Flow 32 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 23rd day of July, 2013.

Claude Cerecero

For Company

Witness (if any)

For Commission

Checked by

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CONSERVATION DIVISION
WICHITA, KS

I declare under penalty or perjury under the laws of the state of Kansas that I am an exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Kerr-McGee Oil + Gas Onshore LP 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 Light A-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 vacuume at the present time; KCC approval Docket No. _____
- is incapable of producing at a daily rate in excess of ²⁵⁰~~150~~ mcf/D

Date: 8/15/13

Signature: KB Vit

Title: Regulatory Analyst

Instructions All active gas wells must have at least on 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.

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CONSERVATION DIVISION
WICHITA, KS