

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:

API No. 15
15-007-23911-0000

Company Indian Oil Co., Inc.			Lease New Eloise		Well Number 1
County Barber	Location NE SW SW SE	Section 6	TWP 35S	RNG (E/W) 11W	Acres Attributed
Field Stranathan		Reservoir Mississippi	Gas Gathering Connection Atlas		
Completion Date 8/29/12		Plug Back Total Depth 4500	Packer Set at		
Casing Size 5.5	Weight 15.50	Internal Diameter	Set at 5238	Perforations 4803	To 4864
Tubing Size 2.875	Weight	Internal Diameter	Set at 4750	Perforations	To
Type Completion (Describe)		Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No		
Producing Thru (Annulus / Tubing)		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g	
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	
Pressure Buildup: Shut in <u>5:13</u> 20 <u>14</u> at <u>9:15</u> (AM) (PM) Taken <u>5:14</u> 20 <u>14</u> at <u>10:30</u> (AM) (PM)					
Well on Line: Started _____ 20 _____ at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)					

OBSERVED SURFACE DATA

Duration of Shut-in 26.25 Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter or Prover Pressure psig (P _m)	Pressure Differential In Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _f) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _f) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						5	56	300	220		
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 _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_w)² = 0.207
(P_d)² = _____

(P_c)² = _____ : (P_w)² = _____ : P_d = _____ % (P_c - 14.4) + 14.4 = _____ :

(P _c) ² - (P _w) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _w 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)

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 14 day of May, 20 14.

Witness (if any)

For Commission

KCC WICHITA
Jim Smith, Production Foreman
Checked by

JUN 02 2014

RECEIVED

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 _____ 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 New Eloise #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 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: _____

Signature: _____

Title: _____

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.

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 Indian Oil 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.

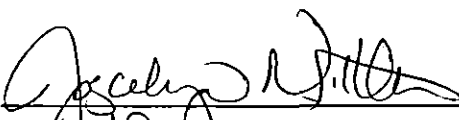
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- is not capable of producing at a daily rate in excess of 250 mcf/D

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: 5/14/14

Signature: 
Title: J.P. O.

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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.

KCC WICHITA

JUN 02 2014

RECEIVED

Due May 27th

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:

API No. 15
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Type Completion (Describe)			Type Fluid Production		Pump Unit or Traveling Plunger? <u>Yes</u> / No			
Producing Thru (Annulus / Tubing)			% Carbon Dioxide		% Nitrogen		Gas Gravity - G _g	
Vertical Depth(H)			Pressure Taps			(Meter Run) (Prover) Size		
Pressure Buildup: Shut in _____ 20 ____ at _____ (AM) (PM) Taken _____ 20 ____ at _____ (AM) (PM)								
Well on Line: Started _____ 20 ____ at _____ (AM) (PM) Taken _____ 20 ____ at _____ (AM) (PM)								

OBSERVED SURFACE DATA

Duration of Shut-in _____ 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 _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In	/										
Flow	/										

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (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 _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_e)² = 0.207
(P_o)² = _____

(P _e) ² = _____ : (P _w) ² = _____ : P _d = _____ % (P _e - 14.4) + 14.4 = _____ :							
(P _e) ² - (P _d) ² or (P _e) ² - (P _w) ²	(P _e) ² - (P _w) ²	Choose formula 1 or 2: 1. P _e ² - P _d ² 2. P _e 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" 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 _____ day of _____, 20_____.

Witness (if any)

For Commission

For Company

Checked by

GLM INC.

P.O.Box 8726 Pratt, KS 67124
 Telephone 620-672-1597 Fax 620-672-7237

1001
 NEW ELOISE
 INDIAN OIL

 INDIAN OIL

Gas Volume Statement

PRODUCTION MONTH : APRIL 2014

Line Size	2.069	Static Range	1000	Type Connect	FLANGE	Cont Atmo Base	14.400
Orifice Size	1.000	Diffrl Range	100	Type Locn	UP	Cont Pres Base	14.730
Clock	24	Temp Range	420	Type Meter	EFR	Cont Temp Base	60.000
				Type Static:	A		

Date On	Ave Diff	PSIA	Temp	Gravity	Orifice	INTG	C' Prime	Flow Hrs	VOLUME	BTU	MMBTU
04/01 04/02	8.37	70.50	81.76	0.6426	1.000	0	0.25850	24.00	145	1111.96	161
04/02 04/03	8.22	72.42	87.88	0.6426	1.000	0	0.25710	24.00	145	1111.96	161
04/03 04/04	8.41	66.94	74.82	0.6426	1.000	0	0.26020	24.00	144	1111.96	160
04/04 04/05	8.18	71.83	77.82	0.6426	1.000	0	0.25960	24.00	144	1111.96	160
04/05 04/06	8.47	68.90	84.75	0.6426	1.000	0	0.25780	24.00	144	1111.96	160
04/06 04/07	8.62	68.72	85.65	0.6426	1.000	0	0.25750	24.00	144	1111.96	160
04/07 04/08	8.56	67.70	80.58	0.6426	1.000	0	0.25870	24.00	143	1111.96	159
04/08 04/09	8.26	69.44	79.95	0.6426	1.000	0	0.25900	24.00	142	1111.96	158
04/09 04/10	9.09	70.17	87.72	0.6426	1.000	0	0.25710	24.00	137	1111.96	153
04/10 04/11	9.09	69.31	87.32	0.6426	1.000	0	0.25710	24.00	149	1111.96	165
04/11 04/12	9.08	68.66	91.30	0.6426	1.000	0	0.25620	24.00	147	1111.96	163
04/12 04/13	9.01	68.28	92.86	0.6426	1.000	0	0.25580	24.00	146	1111.96	162
04/13 04/14	8.78	66.94	81.55	0.6426	1.000	0	0.25850	24.00	144	1111.96	160
04/14 04/15	9.58	64.99	64.64	0.6426	1.000	0	0.26280	24.00	127	1111.96	141
04/15 04/16	9.50	64.78	82.84	0.6426	1.000	0	0.25810	24.00	149	1111.96	166
04/16 04/17	8.53	62.75	85.53	0.6426	1.000	0	0.25750	24.00	138	1111.96	154
04/17 04/18	9.23	59.48	79.46	0.6426	1.000	0	0.25880	24.00	142	1111.96	158
04/18 04/19	9.30	60.94	87.24	0.6426	1.000	0	0.25690	24.00	143	1111.96	159
04/19 04/20	9.06	62.35	90.83	0.6426	1.000	0	0.25620	24.00	142	1111.96	157
04/20 04/21	9.10	60.56	88.43	0.6426	1.000	0	0.25670	24.00	141	1111.96	156
04/21 04/22	9.00	60.77	91.93	0.6426	1.000	0	0.25590	24.00	140	1111.96	155
04/22 04/23	9.25	59.86	91.36	0.6426	1.000	0	0.25600	24.00	141	1111.96	156
04/23 04/24	9.12	60.20	89.97	0.6426	1.000	0	0.25630	24.00	140	1111.96	155
04/24 04/25	9.29	61.35	86.91	0.6426	1.000	0	0.25700	24.00	139	1111.96	155
04/25 04/26	8.50	60.88	93.09	0.6426	1.000	0	0.25570	24.00	139	1111.96	155
04/26 04/27	8.37	61.07	92.58	0.6426	1.000	0	0.25580	24.00	138	1111.96	154
04/27 04/28	9.38	54.10	90.12	0.6426	1.000	0	0.25610	24.00	138	1111.96	154
04/28 04/29	10.76	50.09	81.53	0.6426	1.000	0	0.25790	24.00	143	1111.96	159
04/29 04/30	8.60	62.77	73.98	0.6426	1.000	0	0.26020	24.00	140	1111.96	156
04/30 05/01	8.14	63.50	78.48	0.6426	1.000	0	0.25920	24.00	141	1111.96	156

Average/Totals	8.89	64.34	84.76					720.00	4,255	4,728
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CO2	N2	C1	C2	C3	IC4	nC4	IC5	nC5	C6	He	O2	H2S	Sp Grav	Wet BTU	Dry BTU
0.177	0.885	89.301	5.417	2.288	0.329	0.803	0.198	0.242	0.317	0.042	0.000	0.000	0.6426	1111.96	1131.77

KCC WICHITA

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