

KANSAS CORPORATION COMMISSION

ONE-POINT STABILIZED OPEN-FLOW OR DELIVERABILITY TEST

Type Test: (See Instructions on Reverse Side)

Open Flow

Deliverability

Test Date: 9-15-15

API No. 15
15-081-22047-00-00

Company: MCCOY PETROLEUM CORPORATION Lease: SCHMIDT 'C' Well Number: 7-29
 County: HASKELL Location: NE-NE NW Section: 29 TWP: 30S RNG (E/W): 31W Acres Allocated:

Field: LFTE SE Reservoir: CHESTER Gas Gathering Connection: MVP PURCHASING

Completion Date: 3-25-14 Plug Back Total Depth: 5594 Packer Set at: NONE

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.5	15.5	4950	5675	5454	5466

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.375	4.7	1.995	5398		

Type Completion (Describe): SINGLE GAS Type Fluid Production: NONE Pump Unit or Traveling Plunger? Yes / No: NO

Producing Thru (Annulus / Tubing): TUBING % Carbon Dioxide: 0.162 % Nitrogen: 10.142 Gas Gravity: 0.706

Vertical Depth (ft): 5460 Pressure Taps: FLANGE (Meter Run) (Proven Size): 3.068"

Pressure Buildup: Shut in 9-11-15 20 at 0800 (AM) (PM) Taken 9-14-15 20 at 0800 (AM) (PM)

Well on line: Started 9-14-15 20 at 0800 (AM) (PM) Taken 9-15-15 20 at 0800 (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in: 72.0 Hours

Static Dynamic Property	Orifice Size (inches)	Flowing Meter Prover Pressure psig (P _m)	Pressure Differential in Inches H ₂ O	Flowing Temperature °F	Well Head Temperature °F	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						580.6	595.0	578.2	592.6	72.0	
Flow	1.750	29.0	53.8	88	75	519.1	533.5	472.6	487.0	24.0	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (C _d) (Mcfd)	Orifice 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 Liquid Gravity G
16.0088	43.40	48.32	1.1901	0.9741	1.0033	899.8	NONE	0.706

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² 354.0 (P_w)² 284.6 P_g = 89.7 % (P_c - 14.4) + 14.4 = 595.0 (P_g)² 0.207

(P ₁) ² - (P _a) ² or (P ₁) ² - (P ₂) ²	(P ₁) ² - (P _w) ²	Choose formula 1 or 2? 1. P _c ² - P _a ² 2. P _c ² - P _w ² <small>divided by P_c² - P_w²</small>	LOG of formula 1. or 2. and divide by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability (Mcfd)
353.82	69.40	5:098	0.7074	0.796	0.5631	3.6567	3290.29

Open Flow 3290 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 15 day of SEPTEMBER, 2015

Copy to KCC Wichita
Witness (if any)

KCC WICHITA

SEP 22 2015

Precision Wireline & Testing
For Company
Mark B. Buel
Checked by

For Commission

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