

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test

(See Instructions on Reverse Side)

15-053-20493-00-00

- Open Flow
 Deliverability

Test Date
10/09 to 10/10/14

API No 15
~~053-20,205-00-00~~

Company Rupe Oil Company		Lease Weber		Well Number 1	
County Ellsworth	Location NW NW NE	Section 29	TWP 15S	RNG (E/W) 08W	Acres Attributed
Field Grubb		Reservoir Cedarvale/Severy Sand		Gas Gathering Connection Rupe Oil	
Completion Date 2/27/78		Plug Back Total Depth 2615		Packer Set at none	
Casing Size 4.5	Weight	Internal Diameter	Set at 2614	Perforations 2529	To 2534
Tubing Size 2.375	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) single		Type Fluid Production SW		Pump Unit or Traveling Plunger? Yes / No No	
Producing Thru (Annulus / Tubing) Tubing		% Carbon Dioxide .110		% Nitrogen 25.840	
Gas Gravity - G _g 7539		Vertical Depth(H)		Pressure Taps flange	
(Meter Run) (Prover) Size 2"		Pressure Buildup		Shut in 10/06 20 14 at 11:00 am (AM) (PM) Taken 10/09 20 14 at 11:00 am (AM) (PM)	
Well on Line		Started 10/09 20 14 at 11:00 am (AM) (PM) Taken 10/10 20 14 at 11:00 am (AM) (PM)			

OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one Meter 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 _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						178.4	192.8			72	
Flow	.625	65	10	60		82.0	96.4			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (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
1.914	79.4	28.17	1.152	1.000	-----	62		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 37.171 (P_w)² = 9.292 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" ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
36.964	27.879	1.325	1222	.850	.1038	1.26	78
				assigned			

Open Flow **78** 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 October, 20 14

Received
KANSAS CORPORATION COMMISSION

Witness (if any)

For Company

OCT 15 2014

GLM
Checked by

For Commission

CONSERVATION DIVISION
WICHITA, KS