

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow
 Deliverability

Test Date:
April 10, 2014

API No. 15
15-159-20484-00-00

Company Lebsack Oil Production		Lease Proffitt		Well Number 1	
County Rice	Location W/2 NW NE	Section 23	TWP 20	RNG (E/W) 10W	Acres Attributed 160
Field Chase-Silica		Reservoir Chase		Gas Gathering Connection American Energies	
Completion Date Feb. 1974		Plug Back Total Depth 1550'		Packer Set at None	
Casing Size 5 1/2	Weight 15	Internal Diameter 4.976	Set at 2403'	Perforations 1468-72	To 1442-53
Tubing Size 2 3/8	Weight 4.70	Internal Diameter 1.995	Set at 1480'	Perforations	To
Type Completion (Describe)		Type Fluid Production Salt water		Pump Unit or Travelling Plunger? Yes / No Pumping	
Producing Through (Annulus) Tubing		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H)		Pressure Taps Flange		Gas Gravity - G _g 0.605	
				(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in April 10 20 14 at 9:00am (AM) (PM)		Taken April 13 20 14 at 9:00am (AM) (PM)			
Well on Line: Started April 13 20 14 at 9:00am (AM) (PM)		Taken April 14 20 14 at 9:00am (AM) (PM)			

OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter 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						46	60.4	10	24.4	72	32
Flow	0.500	0	20	60		0	14.4	10	24.4	24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F ₀) (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
1.219	14.4	16.97	1.286	1.00	1.00	27		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 3.65 : (P_w)² = 0.21 : P_c = _____ % (P_c - 14.4) + 14.4 = _____ : (P₀)² = 0.207
(P₀)² = _____

(P _c) ² - (P _a) ² or (P _c) ² - (P ₀) 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: $\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
3.44	3.44	1.00	0.00	.850	0.00	1.00	27

Open Flow 27 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 28th day of April, 20 14.

Witness (if any)

For Commission

Wayne Lebsack

For Company

Checked by

KCC WICHITA

MAY 12 2014

RECEIVED