Form G 2 (Rev. 7/03)

Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Open Flow Test Date: 05/17/2013 API No.	150812	219270000
		
Company Lease OXY USA Inc LONGBOTHAN		Well Number
County Location Section TWP RNG (E/W) Haskell 330' FSL & 1070' FWL 3 30S 32W		Acres Attributed 640
Field Reservoir Gas Gathering Co LOCKPORT St Louis Oneok	nnection	
Completion Date Plug Back Total Depth Packer Set at 02/11/2011 5,634'		
Casing Size Weight Internal Diameter Set at Perforations 5 1/2" 17.0# 4.892" 5,688' 5,552'	To 5.5	 61'
Tubing Size Weight Internal Diameter Set at Perforations 2 3/8" 4.7# 1.995" 5,612'	То	
Type Completion (Describe) Type Fluid Production Pump Unit or Trav WATER/OiL	eling Plunger?	Yes / No ✓ Yes □ No
Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Annulus 0.083% 11,866%		avity Gg
Vertical Depth (H) Pressure Taps 5,557' Flange		Run) (Prover) Size
Pressure Buildup: Shut in 05/13 20 13 at 9:00 AM PM Taken 05/16	20 13 at	9:00 AM PM
Well on Line: Started <u>05/16</u> 20 <u>13</u> at <u>9:00 </u> AM PM Taken <u>05/17</u>	20 13 at	9:00 AM PM
OBSERVED SURFACE DATA Durati	ion of Shut in	72 Hours
Static / Orifice		1 '
	139 7	
Flow 1.500 39.4 6.4 59 59 145.0 159.4 65.0 7	79.4 2	4 0
FLOW STREAM ATTRIBUTES		
Plate Circle one: Press Gravity Flowing Temperature Factor Factor Fit	GOR (Cubic Feet/Barre	Flowing Fluid I) Gravity G _m
11.4100 53.8 18.56 1.1952 1.0010 1.0047 255	None	0.717
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS $(P_c)^2 = 32.2$: $(P_w)^2 = 25.4$: $P_d = $ % (Pc 14.4) + 14.4 =		$(P_a)^2 = \frac{0.207}{(P_d)^2}$
(Pc)2 (Pa)2 or (Pc)2 (Pd)2 (Pc)2 (Pw)2 Choose Formula 1 or 2: 1. Pc2 Pa2 a. Pc2 Pd2 divided by: Pc2 Pw2 divided by: Pc2 Pw2 1. or 2. and divide by: Pc2 Pw2 and divide by: Pc2 Pw2 Backpressure Curve Slope = "n" or Assigned Standard Slope	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
32 6.8 4.7167 0.6736 0.6305 0.4247	2.6589	678
Open Flow 678 Mcfd @ 14.65 psia Deliverability	Mcfd @ 14.65 psid	<u> </u>
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he facts stated therein, and that said report is true and correct. Executed this the day of October	-	2013
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Witness KCC WICHITA FO	or Company	A Inc Alw !
	Checked by	Jann