Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

= '	en Flo	02		Te	(See Instructions				eve	rse Side)		API N	o 15		.				
Deliverabilty							10/09 to 10/10/14				053-20,528 -00-00								
Company Rupe Oil Company							Lease Helwid				k	k					2	Well N	lumber
County Location Ellsworth N/2 NW NW							ection 2				RNG (E/W) 08W					Acres	Attributed		
Field Grubb							eservoir eerCre				Gas Gathering Conne Rupe Oil			ection	•				
Completion Date 5/29/79						_	ug Back 678					Packer Set at none							
Casing Size Weight 4.5					Internal Diameter				Set at 2485			Perforations 2660				то 2676	,		
Tubing Size Weight 2.375						Int	ernal D	Set at			P	Perforations			То				
Type Completion (Describe) single							Type Fluid Production					Pump Unit or Travel			or Traveling	g Plung	ger? Yes	/ No	
Producing Thru (Annulus / Tubing) Tubing							% Carbon Dioxide				% Nitrogen 25.840			l	Gas Gravity - G _s 7539				
Vertical Depth(H)							Pressure Taps				_					(Meter Run) (Prover) Size 2"			
Pressure Buildup Shut in 10/06 20						. 14	flange 14 _{at} 10:30 am _(AM)				(DLO) Talan 10/09				14	10:30	am	(AAA) (DAA)	
							14 at 10:30 am (AM											(AM) (PM)	
OPSEDVED SUBFACE DATA OPSEDVED SUBFACE DATA OPSEDVED SUBFACE DATA)						
Static /	Orifi		Circle one		Pressure		owing.	OBSERVED Well Head		Casing		Tubing		ing	Durat	ion of Shut-	<u> </u>	Hours	
Dynamic Property	Dynamic Size		Meter Prover Pressu		Differential in Inches H ₂ 0		Flowing Well Head Temperature t t			Wellhead Pressure (P _w) or (P _t) or (P _c)			Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)		Lıqı	Liquid Produced (Barrels)	
Shut-In			paig (r m)							284.0		psia 298.4	psig		1		72		
Flow	.62	5 60			10		57			150 8	1	65.2				24	<u>'</u> 4		
								FLOW	STRE	AM ATTF	RIB	UTES					<u>-</u> -		
Plate Coeffiecient (F _b) (F _p) Mcfd			Circle one Meter or Prover Pressure psia		Press Extension ✓ P _m x h		Gravity Factor F _g		Te	Flowing emperature Factor F _{tt}	Deviati		ctor			ow GOF (Cubic F Barre			Flowing Fluid Gravity G _m
1.914	.914 74.4		.4	27.27			1.152 1			.003				60					
0	0.040			2	7 204	(OP	EN FLO	OW) (DE	LIVE	RABILITY								² = 0	207
$(P_c)^2 = 89.042$ $(P_w)^2 = 27.291$							$P_d = $	(P _c - 14 4) + 1			144	144=			(P _d)	² =			
(P _c) ² - (P _a) ² or		(P _c) ² - (P _w) ²			1 P _c ² -P _a ² 2 P _c ² -P _d ²		LOG of formula 1 or 2			Slop		ssure Curve be = "n" or		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog	
(P _c) ² - (P _d) ²				divided by $P_c^2 - P_w^2$		2 a	and divide P2-P2			Assigned Standard Slope								(Mcfd)	
88.835	88.835		61.751		1.438		.1577			.850				.1340		1 36		82	
										assigned			Ш.						
Open Flo		sia	a Deliverability				y	<u>.</u>				Mcfd @ 14 65 psia							
		•	I authority, o					t Execu	uted t	his the 1	Oth	<u>1</u> c	day o	ke the		ort and	that he ha	as knor	wledge of
		-	Witness (ıf any	·)			IVAINS		RPORATION			N		1	Company			·
			For Comm	nissio	n)نا	1 15	20) [4				cked by			