KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(See Instruc	tions on Re	averse Side))					
✓ Open Flow ✓ Deliverabilty					Test Date: 4/26 to 4/27/12				API No. 15 077-21651-00-01					
Company		atio	n Inc		Lease Lyssy							Well Nu	ımber	
M&M Exploration, Inc. County Location					Section		TWP	TWP F		N)	Acres Attributed			
Harper SWSWSW Field					04 Reservoir			35S 05W Gas Gathering Con			ection			
Completion Date						k Total Dep		Atlas Packer Set at						
3/02/12 (re-completion)					4950 C	IBP		none Set at Perforations						
Casing Size Weight					Internal D	Diameter	Set	Set at		ations	то 4556			
Tubing Size Weight 2.875					Internal [Diameter		Set at Perforations 4575		ations	То			
Type Completion (Describe) single					Type Fluid Production SW			Pump Unit or Traveling Plu No			Plunger? Yes	Plunger? Yes / No		
Producing	g Thru	(Anr	nulus / Tubin	19)	% Carbon Dioxide			% Nitrogen			Gas Gravity ⋅ G _o			
tubing Vertical D)onth(h	<u>.</u>			.1727 Pressure Taps				19.475		.733 (Meter Run) (Prover) Size			
vortical c	, optii(i	',				flange					2"	, , , , , ,		
Pressure Buildup: Shut in 4/23 20								M) Taken 4/26 20						
Well on Line: Started 4/26 20 12 at 10:30 am (AM) (PM) Taken 4/27 20 12 at 10:30 am (AM)											(AM) (PM)			
						OBSERVED SURFACE DATA					Duration of Shut	_{-in} _72	Hours	
Static /	Static / Orific		Circle one: Meter	Pressure Differential	Flowing Well Hea		e Wellhead Pressure		P_c) (P_w) or (P_t) or (P_c)		Duration		Liquid Produced (Barrels)	
Property (inch		Prover Pressure			t t		(P _w) or (P _i) or (P _e) psia			(Hours)	,		
Shut-In	Shut-In						1489	1503.4	1290	1304.4	72	72		
Flow	.750 68		68	29.2	71		1364	1378.4	1008	1022.4	24			
				1		FLOW STI	REAM ATT	RIBUTES						
Plate Coeffiecient (F _b) (F _p) Mold		Circle one Meter or Prover Pressure psia		Press Extension	Grav Fac	<i>'</i>	Flowing Temperature	Devi Fac	ation dor	Metered Flow	v GOR (Cubic Fe	Flowing Fluid		
				√ P _m xh	F,	,	Factor F _{tt}	F	pv	(Mcfd)	Barrel)	Gravity G _m	
2.779		82	.4	49.05	1.168	3 .9	9896			157			.733	
	(OPEN FLOW) (DELIVERABILITY) CALCULATIONS $(P_a)^2 = 0.207$													
$(P_e)^2 = \frac{2260.211}{}$: $(P_w)^2 = \frac{1899.5}{}$				Choose formula 1 or 2;	P _a =			(P _c - 14.4) + 14.4 =		: :	(P _d) ² =			
(P _e)? - (P _a)? or		(P	o ^c), · (b ^m),	1. P _e z-P _e z	LOG of formula		Śk	Slope = "n"		og	Antilog	De	Open Flow Deliverability	
(P _c)?- (P _d)?		ď		2. P _e ² - P _d ² divided by: P _e ² - P _d ²	1. or 2. and divide p2. p2 by:			Assigned Standard Slope			•	Equals R x Antilog (Mcfd)		
2260.004		36	0.225	6.274	.7975		.717	.717		18	3.73	586	586	
L						. <u></u>						<u> </u>		
Open Flow 586 Mcfd € 14.65 psia X.50 =							Delivera	Deliverability 293 Mcfd € 14.65 psia						
		•	•		•			_		<u> </u>	rt and that he ha		•	
the facts s	tated t	herei	n, and that s	aid report is true	and correc	t. Executed	d this the _	IST	ay of <u>M</u> ∕	1600		··	20 12	
			Witness	(if eny)				_/ /	My-	MU For C	Company RI	ECE	VED	
			For Corn	mission				CAL	M. 18		cked by	Y- 0-	2-2012-	