KANSAS CORPORATION COMMISSION ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2

(Rev.8/98)

ONE POINT STABLIZED OPEN FLOW OR DELIVERABIL TYPE TEST:

⊠op																		
□ Deliverability					TES	TEST DATE: 9/14/12						API No. 15-033-20949-00-00						
Company						Lease									Well	Number		
	ughl	ored A	Assoc	ate	s				Bird						1			
County					Location				Section TWP						Acre	Acres Attributed		
Coma	nche)			C.	SE-SW			Sec	.16-7	T32S-R	19W				160		
Field						ervoir						Gas Gath	ering	Connec	tion			
Complete o	- 2-4					ississipp				-	······································	1 1	010	<u>ughb</u>	red	R	ECEIL	
Completion Date 1/21/98					Plug Back Total Depth							Packer Set at				0.0	- IV	
Casing Size			W-1-1			5320						None				UL	T31	
5.500			Weigh 15.5		Internal Diameter				Set at			Perforations		To		Ko-		
	Tubing Size				4.950 Internal Diameter				5403						19	<u>vcc</u>	WICH	
2.000			Weigh 4.70		1110	1.995			Set at 5128			Perforations T				OCT 3 1 2 • KCC WICH		
Type Comp	letio	n (Des			Tun				512	28								
Sin					-112	Type Fluid Production Salt Water						Pump Unit Pumpir		Traveli	ng Plu	nger?		
Producing	Phru	(Annul	us/Tubi	ng)	₹ Ca	% Carbon Dioxide					31							
Casing										% Nitrogen 1.090			Gas Gravity- Gg .609					
Vertical I	epth	(H)			Pres	.180					1.090			Vota		······		
5056						Flange									me ce.	r Run Siza 3	e	
Pressure Buildup: Shut in				9	9/11/12				TAKEN			3:4				3	· · · · · · · · · · · · · · · · · · ·	
Well on Li	St	Started 9		9/14/12						TAKEN	3:50							
							<u> </u>							·				
						OB	SERV	'E.L	SURFA	CE	DATA							
Static/	Orif	ice	e Meter		Pressure	Flowing	WellHe	ead	Casing WellHead Press.		Tubin	lHead P	Head Press.		T			
Dynamic Si			Pressu		Diff.	Temp.	Temp.		(P _w)	(P _t) (P _c)				P _t) (F _c)		Duration	Liquid Prod.	
Property	Property in		psig		In. H 20	t.	t.		psig		psia	psic	psig		ia	(Hours)	Barrels	
					!												 	
Shut-in									55	<u> </u>	69					72.0		
77	Plan 1		250															
Flow 1.250		250	30.0		1.00	60 60		0 85		99		<u> </u>		<u> </u>			24.0	
						FL	OW 5	STE	REAM AT	TRII	BUTES	;						
· · · · · · · · · · · · · · · · · · ·						T			·									
COEFFICIE (F.)	(16.)				TENSION	GRAVITY		FLOWING TEMP		DEVIATION		RATE OF FL		LOW	LOW			
Mofd			SSURE		P _m × H _w	FACTOR Fg		1	FACTOR	FACTOR		R Mafd		G		OR	G m	
									FT	Fpv		Mcfd						
7.771		44.4			6.66	1.2814		1.0000		1.0036		66			ļ		600	
-						I								<u>.</u>			.609	
						'EN FLC	>W)(E	EL	IVERABI	LITY	r) CAL	CULAT	ION	S	/Da	$0)^2 = 0.20$	~	
(Pc) 2 = 4	816		(1	(w) ²	= 9,880		Pd =			8	(Pc - 14	1.4) + 14	.4 =		(Pd) ² =	•	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$ $(P_c)^2 - (P_w)^2$				$\left[\left(\mathbf{P}_{\mathbf{c}} \right)^2 - \left(\mathbf{P}_{\mathbf{a}} \right)^2 \right]$				Backpress		٦								
or		(D)2 (D)2		2	or a				Curve Slope"n"					ļ		Open Flow Deliverability		
$(P_c)^2 - (P_d)^2$		(Pc) - (Pw)			(E) - (E	1	i	Assigned	ned n x Loc		Ant		ntilog			x Antilog Mcfd		
-				_ L	(P _C)2 - (P	_ ا علی	<u></u>	<u> </u>	Standard S	lope				9				
												Ī						
				+				·										
OPEN FLOW					12	Mcfd @ 14.65 psia												
			-,								RABILITY					Mcfd 0 14		
ine unde tated herein	and t	hat said	onty, on d moore	ocha s tro	f of the Com	pany, state	es that h	e îs	duly authoriz		nake the a	LYO (rt and	that he	has kno	wledge of	the facts	
	- •				COLLECT	Lacuied	s the	_		_ day	of	100	1		/	,20 /		
	VA72A				 								X	In	nt.	ZMn.	,	
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For Commission