Form G 2 (Rev. 7/03)

Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test (See Instructions on Reverse Side)

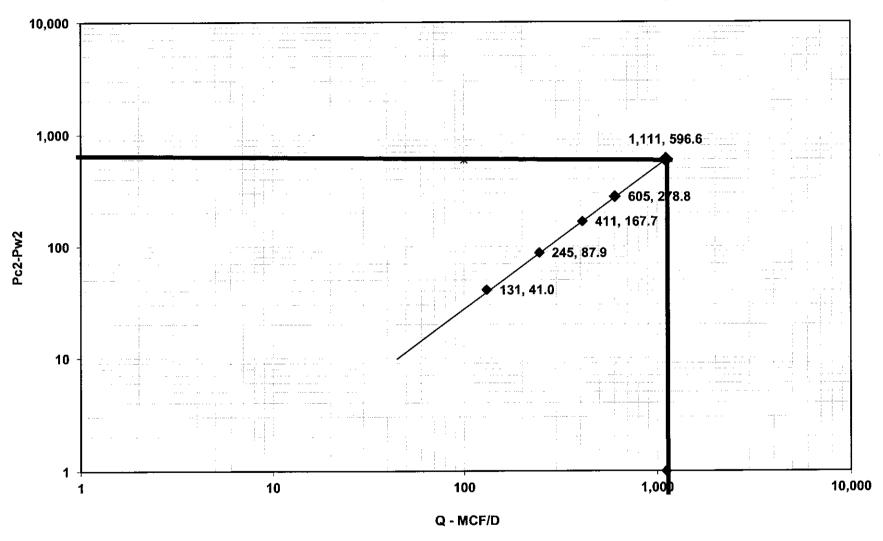
Type Test:					(5	See I.	nstructio	ons on	Reverse	Side)		•						
✓ Open Flow ☐ Deliverability ☐ Test I					Fest Date: 11/21/2012							API No. 1508121					000	
Company OXY USA	Inc						Lease PHOEN	NIX A	1	·					_	Well Nu	mber	
County Location Haskell 330' FNL & 620' FEL					Section 23		TWP 30S			RNG (E/W) 33W			Acres Attr 640			0		
Field TICE					Reservoir Chester	٠	•					Gathering	•	nection	1		REC	EIVE
Completior 10/25/201		F	Plug Back Total Depth 5,669'				F			Packer Set at						MIC 5-8		
Casing Size Weight 5 1/2" 17.0#					Internal Diameter 4.892"			Set at 5,710 '			Perforations 5,403'			To 5,430 '		30'	KCC	MIC
Tubing Size Weight					Internal Diameter Set at							Perforation	ns		То			
Type Comp		scribe)			Гуре Fluid WATER	Proc	duction				Pun	np Unit or	Trave	eling Pla	unger?	Ye	Yes / No s ☑ N	
Producing		% Carbon Dioxide 0.330%						% Nitrogen 10.198%					avity G					
Vertical De 5,41				. <u>-</u>			Pressure Fla r								(Meter	Run) (Pr 3.068	over) Size	_
Pressure B	Buildup:	Shut in	11/1	7	20 12	at	9:00 [✓ AM	☐ PM	Taken		11/20		20 12	at	9:00	✓ AM 🔲	PM
Well on Lin	ne:	Started	11/2	0 :	20 12	at _	9:00 [☑am	PM	Taken		11/21		20 12	at _	9:00	☑am □i	P M
						ОВ	SERVE	ED SU	RFACE	DAT	Ą	D	urati	on of S	Shut in	72	Hours	
Static / Dynamic	Orifice Size	Circle one: Press Meter Differe Prover Pressure in			ntial Flowing Well He Temperature Tempera			iture (P_w) or (P_i) or (P_c)			(P_w) or (P_t) or (P_c)						Liquid Produ	ced
Property Shut In	(inches)	psi	ig (Pm)	inches H ₂	sH₂O] t] t			+	758.0 772.					psia (Hours)		urs)	(Barrels)	-
Flow	2.000	1	12.4	5	65		75	1	439.5	453	.9		-	0.0	2	:4	0	7
					•	FL	.ow st	REAM	ATTRIE	BUTES	•			•	•			
(F _b) (F _p) Prover Pressure				ess nsion x h	on Gravity Factor		Flowing Temperature Factor F _{it}		Deviation Factor F _{pv}		Metered Flow R (Mcfd)		,	GOR (Cubic Feet/Barrel)		el)	Flowing Fluid Gravity G _m	
21.8600 26.8				.58	1.1265	1.1265 0.99			952 1.0029			285		None			0.717	
$(P_c)^2 ={_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{_{$	96.6 :	(P _w)) ² = 206	.0_:	(OPEN F	LOV	V) (DELI	IVERA %		CALC (4.4) + 1						$(P_a)^2 = (P_d)^2 =$	0.207 0	
(Pc)2 (Pa)2 or (Pc)2 (Pd)2 (Pc)2 (Pw)2		(Pw)2	Choose Formula 1 or 2: 1. Pc2 Pa2 2. Pc2 Pd2 and divided by Pc2 Pw2		LOG of formula 1. or 2. and divide by:	mula or 2. Pc2 Pw2 divide		Backpressure Curve Slope = "n" or Assigned Standard Slope		nxLOG			Antilog		E	Open Flow Deliverability quals R x Antild (Mcfd)	g	
596.4	39	0.6	1.52	69	0.1	838			0.8005	5		0.1471		1.	4031		400	
Open Flow		400	Mc	d @ 14.65	5 psia		·	Deliver	ability		<u> </u>			Mcfd @	14.65 ps	ia		
the facts stated	d therein, and	The unde	rsigned autho	ity, on beha	if of the Comp	•	states that I		authorized	to make y of	the ab	ove report an	d that h	ne has kno			2012	,-
			Witness									David (Fo	Or Compa	ny (A Inc./		\supset
		For	r Commission				_							hecked b		^		

State of Kansas - Corporation Commission Multipoint Back Pressure Test

Form CG-1 (Rev. 10/96)

Type Test	t: [✓ Initial		Annual	Special				Test Da	ite: 11	/21/2012	
Company OXY USA						Lease PHOENIX	X A 1				Well	Number
County Haskell	330	Locatio		ction 23		VP 0S	F	RNG (E/V 33W	V)	Acres Attributed 640		
API No. 15081219	890000				eservoir n ester				Pipeline C	Connection et		RECEIVER NOV 29
Completic 10/25/201				Plu	ug Back To 5,669 '			F	acker Se	et at		HON 53
Casing Si	ze	Weight		Int	ernal Dian	neter	Set at		Perfora	ations	То	C.N
5 1/2" 17.0#				4.8	392"		5,710'		5,403		5,430'	KCC
Tubing Si	ze	Weight		Int	ernal Dian	neter	Set at		Perfora	ations	То	
Type Con	npletion (D	escribe)		•	pe Fluid P ATER	roduction						
Producing	Thru (An	nulus / Tub	ing)	R€	servoir Te	mperature	∍°F				BAR PF	RESS -Pa
	Annulus		_			133					14.4	Psia
Gas Grav	ity - G _g			%	Carbon Di	oxide		o,	6 Nitroge	n		
0.78	8				0.330%				10.198	3%		
Vertical D	epth (H)					Type Met	ter Connec	tion			(Meter Run) (Prover) Size
5,41	7'					Fla	inge				3.0	68"
					C	DBSERVE	D DATA			Duration of	Shut-in7	2 Hours
	Circle One: Orifice Meter		9;	Pressure Differential	Flowing	Well Head		sing I Pressure	\0/eIII	Tubing head Pressure		
	Size	Prover Pressure		in	Temperature	Temperature	(P _w) or (P _t) or (P _c)	(P _w)	or (P _I) or (P _c)	Duration	Liquid Produced
Rate No Shut-In	(inches)	psig (Pm	1	inches H ₂ O	1	75	758.0	772.4	psig 0.0	psia 0.0	(Hours) 72	(Barrels)
1	2.000	11.4		1.1	66	75	731.0	745.4	0.0	0.0	1	0
2	2.000	12.1		3.8	70	75	698.8	713.2	0.0	0.0	1	0
3	2.000 2.000	13.6 15.6		10.2 20.6	75 75	75 75	640.5	654.9	0.0	0.0	1	0
5	2.000	13.6		20.6	/5	/3	549.3	563.7	0.0	0.0	1	0
				-	RATE	OF FLOW C	ALCULATIO	NS				
	Plate		e One:	Pr	053		Flowing			Rate of		Flowing
	Coefficien (F _b) (F _p)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			nsion	Gravity Factor	Temperatu Factor	_	eviation Factor	Flow Q	GOR	Fluid Gravity
Rate No	Rate No Mcfd		sia	V P _m	xh	F,	F _n	ŀ	F _{pv}	Mcfd	(Cubic Feet/Barre	el) G _m
2		21.86 25. 21.86 26.			.03	1.1265 1.1265	0.9943		.003	131 245	 	0.788
3	21.86					1.1265	0.9859		.003	411	 	0.788 0.788
4	21.86 30.0					1.1265	0.9859		.003	605	†	0.788
5											<u> </u>	
					PRE	SSURE CAI	LCULATIONS	3	Die	otting Points		
					_					orang Points		% Shut-In (Pw - Pa)
Rate No	P _t Psia	P _c Psia		P _w Psia	(P _e)² Thousa		(P _w) ² Thousands		$(P_c)^2 - (P_w)^2$ Thousands	Q Mci		(P _c - P _a)
1	, ,,,,,	772.4				6	555.6		41.0	13		96.4%
2		772.4		713.2	596.		508.7		87.9	24	5	92.2%
3		772.4		654.9	596.		428.9		167.7	41		84.5%
5		772.4		563.7	596.	D	317.8		278.8	60	5	72.5%
	ellhead Open	Flow	1	,111	М	cfd @ 14.65	psia				"n" #	0.799
the facts stated		The undersigned nat said report is				tates that he is	0.E	to make the		t and that he has k	nowledge of	2012
		• · · · ·									· · · · ·	·
		Witness	(If anv)							OXY USA For Comp		
		***********	(2119)									(,)
		For Com	nieeian						Davi	d Ogden - C	XY USA Inc	Xuf

PHOENIX A 1 Section 23, T30S, R33W Haskell County, Kansas



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