RECEIVED KANSAS CORPORATION COMMISSION

ΔPR 155 2002

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Test						(See Ins	struci	tions on Re	verse Side)				LI	EG/	AL SE	
XX Op	en Flov Iivorabi				Test Date:					API No. 15						
					April 1, 2002 023						-203					
Company Vall		Оре	erating,	Inc.	Feikert				ert	27-					mber -1	
County			Locatio		Section			TWP		RNG (E/W)			Acres Attributed			
Chey	/enn	è	SE	NE	27			35	3 S 42W							
Field					Reservoir	7				Gas Gathering Connection						
Wild	dcat				Niobr	ara				Bit	ter Cree	k				
Completic 12-2					Plug Baci	k Total C	epth)		Packe N'/A	r Set at					
Casing Si			Weight		internal D	Namotor		Set a			rforations		То			
-	4· 10·5#				4.052				1 • 55 <u>*</u>		418					
	45 TU•5∰ ubing Size Weight				Internal Diameter			Set a			d 10 dorations		1442 '			
ubing Size Weight N/A					michiai Diametei Set at					i shortanons to						
ype Com	noletion	(De	scribe)		Type Fini	d Produ	ction			Pump	Unit or Traveling	Plunge	r? Yes /	(NO)		
Sino			•	•	Type Fluid Production N/A					, ump	CINCOL HEADING	, i lungt	5.7 163 / (19)			
			ulus / Tubing)		% Carbon Dioxide					% Nitrogen			Gas Gravity - G			
Annı										•			•596 1			
ertical D					. 386 Pressure Taps					5.801			• 5967 (Meter Run) (Prover) Size			
1632		· .			Pressure raps								2" Meter Run			
1034												<u>.</u>	Z" lile	ter	אטח	
ressure	Buildu	p: S	hut in	19) at			(AM) (PM)	Taken		19	a		(AM) (PM)	
Vell on Li	ine:	S	tarted Marc	ch 31 2	002 at	8:00		(AM) (PM)	TakenAP1	ril	1, 26	0 <u>2</u> at	8:00	\X	AM) (PM)	
		-				OBSE	BVE	D SURFACI	E DATA			Durati	on of Shut-i		House	
	Cigale one: Pressure					Γ		Cas		·	Tubing	Durani	Duration of Shut-in			
Static / Dynamic	Orifi		Meter or	Differential	Flowing	Well H		Wellhead		Well	lhead Pressure	D	uration	Liquid Produced		
roperty	i i		Prover Pressur	()	Temperature t	Tempera	ulu f e	(P _w) or (P		,) or (P _t) or (P _c)	. 0	Hours)	(8	Barrels)	
			psig	Inches H ₂ 0		ļ <u>.</u>		psig	psia	pek	psia			ļ		
Shut-In].								
Flow	200	7	61	2	50	50	50 61 74 24		/ı							
1.011	<u>ope</u>	//		ــــــــــــــــــــــــــــــــــــــ	30			01 14				U		0		
						FLOW	STR	EAM ATTR	IBUTES							
 Pin te			Circle one:	Press	Cen	ditu		Flowing	5		14.4		600		Flowing	
Coeffiec	_ /		Metel)or	Extension	Gravity To			Temperature Fa		riation Metered Flow		GOR (Cubic Feet/		et/	Fluid	
(F _a)(F Mold		Prover Pressure psia		š P_x H_	F]	Factor	1	, (Mcfd			Barrel)		Gravity	
								F _{ft}							G_	
1.5	57		74	-,							17					
					(OPEN FL	OW) (DE	ELIVI	ERABILITY	CALCUL.	ATIONS	S		/D \2	= 0.20	22	
2)2 =		:	(P _w) ² =_		P ₄ =		9	% (F	P _c - 14.4) +	144=	•			=	J /	
	T			Phoose formula 1 or 2:			<u></u>	T		1			,, 9,			
(b ²) ₅ - (b	$\begin{array}{c ccccc} (P_{c})^{2} - (P_{a})^{2} & (P_{c})^{2} - (P_{w})^{2} & 1. \ P_{c}^{2} - P_{a}^{2} \\ or & 2. \ P_{c}^{2} - P_{a}^{2} \\ \end{array}$			LOG of			Backpressure Curve Slope = "n"		π x LOG					Open Flow Deliverability		
Of (P. V) - (E				2. P,2-P,2	tornula 1. or 2.			Assigned		"	* 100	A	Antilog	Equals R x Antilog		
\' ; / - \'	۰′		d	tivided by: P,2 - P,2	and divide by:	P. P.	-		ard Slope		ĹĴ				Mcfd	
					1			†								
								 								
				······································				<u> </u>								
pen Flov	<u>v 17</u>			Mc1d @ ¥4%6	s psia 13	3		Deliverabil	lity 1	7		Mcid @	×124 26.5 % psia	13		
The u	ındersi	gned	authority, on t	behalf of the Co	ompany, sta	tes that	he is	duly author	ized to ma	ke the a	above report an	d that h	has know	ledge o	I the facts	
ated ther	ein, an	d that	said report is	true and corre	ct. Execute	ed this th	ne	1	day of	_Ap	ril		·	2ر	02	
				• •					Valle	ev Ni	perating,	. In			J	
			Witness (if	any)			_	· -		, ,		Company	1/11	/	<u> </u>	
		•	•						Tom W	J. R	oelfs) فرخود ۱۱ . (Lalo	wet .	
			For Commis	teion :				_				- U	www.	حين ٢	707 6	

MECENVER 45 (OPPORTER COMMSSY)

	under penalty or perjury under the law		• • • • • • • • • • • • • • • • • • • •
	under Rule K.A.R. 82-3-304 on behalf or pregoing information and statements or		
•	r knowledge and belief based upon ga		
	type completion or upon use of the ga		
	equest a permanent exemption from ope		
	e grounds that said well:	•	
	is a source of natural gas for inje		rvoir undergoing ER
	is a source of natural gas for injection is on vacuum at the present time XX is incapable of producing at a definition.	ection into an oil rese c; KCC approval Doc illy rate in excess of	ket No.
	is a source of natural gas for injection is on vacuum at the present time is incapable of producing at a data	ection into an oil rese e; KCC approval Doc illy rate in excess of	ket No
	is a source of natural gas for injection is on vacuum at the present time XX is incapable of producing at a definition.	ection into an oil rese e; KCC approval Doc illy rate in excess of	ket No
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	is a source of natural gas for injection is on vacuum at the present time is incapable of producing at a data	ection into an oil rese e; KCC approval Doc ally rate in excess of	ket No

Instructions:

All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under "observed surface data." Shut-in pressure shall thereafter be reported yearly in the same manner.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though, it was a verified report of test results.

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(See Instruc	tions on Reve	erse Side))				
XX Op	en Flo	w											
De	liverab	ilty			Test Date Apri	1 1, 20	002		API	No. 15 023-	-20327		
Company Val		Оре	erating	, Inc.			Lease Feike	rt				Well Number 27-11-1	
County			Locati		Section		TWP		RNG (E	/W)	,	Acres Attributed	
Che	yenr	ne	SE	NE	27		35		42W				
eld			·		Reservoir	•				hering_Connec			
Wil	dcat	:			Niobra	ara			Bitt	er Creek	<u> </u>		
Completion 12 – 2	on Date 2 - 93				Plug Back	c Total Depth)		Packer S N/A	et at			
asing S	ize		Weigh	t	Internal C	lameter	Set at		Perfo	rations	То		
45"			10.	5#	4.052	•	163	1.55	14	18'	1442		
ubing Si	ze		Weigh	t	Internal C	lameter	Set at		Perforations To				
N/A ype Con	npletio	n (De	scribe)		Type Flui	d Production			Pump Ur	nit or Traveling	Plunger? Yes /	®	
Sin					N/A								
roducing	Thru	(Ann	ulus / Tubing)	% Carbor	Dioxide			% Nitrog	en	Gas Gra	Gas Gravity - G	
Anni	ulus	3			.386				5.80	1		•5961	
ertical C	epth(F	1)	***************************************			Pressi	ure Taps				(Meter F	lun) (Prover) Size	
1632	2 •										2" Me	ter Run	
ressure	Buildu	p: §	Shut in	19				Taken		19	at	(AM) (PM)	
Vell on L											02 at 8:00		
ven on L	me:		narred Mar	011 01 44	DOL at	3,,,,	(AMI) (PMI)	iaken <u>ip</u>			2 at 0.00	(PIM) (FIM)	
					.	OBSERVE	D SURFACE	DATA			Duration of Shut-i	n Hou	
Static / Orifice Dynamic Size Property inches			Circle one: Meterior	Pressure Differential	Flowing Temperature	Well Head Temperature	Casii Wellhead F		Tubing Wellhead Pressure		Duration	Liquid Produced	
			Prover Presso	in (h) Inches H ₂ 0	t	t	(P _w) or (P _t		ļ <u>-</u>	r (P ₁) or (P _c)	(Hours)	(Barrels)	
Shut-In		-	pang	mones 11 ₂ 0			psig	psia	peig	psia			
Flow	ope	en 61 2 50 5		50	61	74			24	0			
	- /					FLOW STR	EAM ATTRI	BUTES					
Coefficient (F _b) (F _p) Mctd			Circle one: Meterior ver Pressure psia	Press Extension & P _m x H _w	Grav Fac F	tor 1	Flowing Temperature Factor F ₍₁	Fa	iation ctor	Metered Flov R (Mcfd)	GOR (Cubic Fed Barrel)	Flowing Fluid Gravity G	
			74				'"			4.77			
1 • 3	٠, ١		74	L	_1			l		17		,	
P_)² =			/D \2 -				ERABILITY)	CALCUL - 14.4) +			(P _a)² (P _a)²	= 0.207	
c'		<u>-</u> :	(P _w) ² =	Choose formula 1 or 2	P _d =		7		17:7 =		(' ₆)		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P	(c)2 - (P _w)2	1. P _c ² -P _a ²			Backpressure Curv Slope = "π"		n x LOG		Antilog	Open Flow Deliverability	
(P _e) ² - (P ₀)2			divided by: P2-P	and divide	P _c ² -P _w ²		igned ird Slope				Equals R x Antilo	
Open Flow 17 Mctd @ X4%% psia 13						Deliverabili	ty	17 Mctd @XXXXpsia 13					
The	unders	ignec	authority, on	behalf of the C	ompany, sta	tes that he is	s duly authori	zed to ma	ike the ab	ove report and	that he has know	ledge of the facts	
ated the	rein, ar	nd the	it said report	is true and corre	ect. Execute	ed this the	1	day of	Apr	i 1		2902	
			V84-22- 1	it anu)				Valle	∍у Ор	erating,	Inc.		
			Witness (п апу)				Tom V	W. Ro		occupany		
			For Comr	nission			-			Chec	ked by		

I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to request
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Valley Operating, Inc.
and that the foregoing information and statements contained on this application form are true and correct to
the best of my knowledge and belief based upon gas production records and records of equipment installa-
tion and/or of type completion or upon use of the gas well herein named.
I hereby request a permanent exemption from open flow testing for the Feikert 27-11-1
gas well on the grounds that said well:
(Check one)
is a coalbed methane producer
is cycled on plunger lift due to water
is a source of natural gas for injection into an oil reservoir undergoing ER
is on vacuum at the present time; KCC approval Docket No
is incapable of producing at a daily rate in excess of 150 mcf/D
Date: <u>4-1-02</u>
Signature: W Wall
Title: <u>Field Foreman</u>

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