## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes					(See Instruc	lions on He	verse Siae	?)					
	en Flow diverabilt	,		Test Date: 12-01-2014				API No. 15 15-077-30008-00-01					
Company	y	ROVE OIL CO	D., INC	12-01-2	014	Lease FREEL	AND	15-0	177-30006-	1	Well N	umber	
County Location KINGMAN SESENW			Section 1				RNG (EA	RNG (E/W) 9W		Acres Attributed 240			
Field SPIVEY GRABS					Reservoir MISSISSIPPI			Gas Gathering Connection PIONEER					
Completion Date 4-16-1965				Plug Bac 4459	Plug Back Total Depth 4459			Packer Se NONE		<del></del>			
Casing Size Weight 4 1/2 9.5#			Internal ( 4.010	Diameter	Set at 4459		Perforations 4426		то 4433	то 4433			
Tubing Size Weight 2 3/8 4.7#			Internal I	Diameter		Set at 4440		Perforations		То			
Type Completion (Describe) SINGLE					Type Fluid Production WATER				Pump Unit or Traveling Plunger? Yes / No PUMPING UNIT- YES				
Producing Thru (Annulus / Tubing) TUBING AND ANNULUS				% Carbon Dioxide			% Nitroge	ın		Gas Gravity - G <sub>g</sub> 0.644			
Vertical Depth(H)					Pressure Taps				4		(Meter Run) (Prover) Size 4" METER		
Pressure	Buildup:	Shut in 12	/012	14 at 0	8:00 AM	(AM) (PM)	Taken 12	2/02 .	20	14 at_08:00	AM	(AM) (PM)	
Well on L	.ine:	Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
					OBSERVE	D SURFAC	E DATA			Duration of Shu	t-in_24	Hour	
Static / Dynamic Property	Orifice Size (inches	Circle one:  Meter  Prover Press  psig (Pm)	Pressure Differential in Inches H,0	Flowing Well Hea Temperature t t		Casing  Wellhead Pressure  (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>o</sub> )  psig psia		Tubing Wellhead Pressure $(P_w)$ or $(P_l)$ or $(P_c)$ psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In						185	199.4	55	169.4	24			
Flow									<u></u>	<u> </u>			
		<u>.</u>	<del></del>	<del></del>	FLOW STR	EAM ATTR	IBUTES			<del></del>			
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or rover Pressure psia  Press Extension  ✓ P <sub>m</sub> x h		Grav Fac F <sub>e</sub>	tor 1	Temperature Factor		iation ector pv	Metered Flor R (Mcfd)	w GOR (Cubic F Barre	eet/	Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>c</sub> ) <sup>2</sup> =		(P <sub>w</sub> )² =		(OPEN FL	OW) (DELIV		) CALCUL 2 14.4) +				$(a)^2 = 0.5$ $(a)^2 = $	207	
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I	P <sub>a</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2, and divide		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x 106		Antilog	C De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		-				-							
Open Flow Mcfd @ 14.65 psia				65 psia	Deliverability			Mcfd @ 14.65 psia					
		ned authority, o			states that h			o make the		ort and that he h		vledge of	
the facts s	tated the	rein, and that s	aid report is trud		t. Executed			day of De		20110		20 <u>14</u> .	
		Witness (	(if any)	DE	C 15 2	014		mer	Mi	e Oil Company			
		For Com	nission		RECEIV	Æľ			Che	ckedby			

I declare under penalty of 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 CASEY MUSGROVE OIL CO.,INC.
and that the foregoing pressure information and statements contained on this application form are true and
correct to the best of my knowledge and belief based upon available production summaries and lease records
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby request a one-year exemption from open flow testing for the FREELAND #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 not capable of producing at a daily rate in excess of 250 mcf/D  I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
DEC 15 2014  RECEIVED  Signature:  PRESIDENT  Title: PRESIDENT

## Instructions:

If a gas well meets one of 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 claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been 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 for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.