KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:					•	See Instruc	lions on He	verse Siae	?)				
·	en Flov liverabi				A	Test Date 10-268	e: \$27,2010			API NA	No. 15	77-21	357	-1188
Company HERM		LC	EB LLC					Lease HARD	Y		, , , , , , , , , , , , , , , , , , ,	#2		lumber
County KIOWA	١		Loca NE N	ition IE SI		Section 14		TWP 28S		RNG (E/N	(V)		Acres	Attributed
Field HARD	1			,	r	Reservoi MISSI	r SSIPPI				ering Conn			
Completion 12-16-9		Э				Plug Bac 4944	k Total Dept	th		Packer S NONE	et at			
Casing S 5.500	ize		Weig 15 .0	•		Internal I 4.050	Diameter	Set a 498 4		Perfor 4818		To 483	4	
Tubing S 2.375	ize		Weig 4.70			Internal I 1.995	Diameter	Set a 481		Perfor OPE		То		
Type Con		(De	escribe)				d Production	n		Pump Uni	t or Traveling	g Plunger? Ye	es / No	
Producing	•	(Anı	nulus / Tubir	ng)	!	% C	arbon Dioxi	de	*	% Nitroge	en .	Gas	Gravity -	G _g
Vertical D)			!		Pres	sure Taps				(Mete	r Run) (I	Prover) Size
Pressure	Buildup): :	Shut in 10	-26-	10 2	0 at		(AM) (PM)	Taken_1()-27-10	20	at		(AM) (PM)
Well on L	ine:	;	Started								20	at	·····	(AM) (PM)
							OBSERVE	D SURFACE	DATA			Duration of Sh	ut-in	Hou
Static / Dynamic Property	Orific Size (inche	,	Circle one: Meter Prover Press psig (Pm)	sure	Pressure Differential in nches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead I (P _w) or (P	Pressure	Wellhea	tbing d Pressure (P ₁) or (P _c)	Duration (Hours)		uid Produced (Barrels)
Shut-In								200	pola	paig	psia	24		
Flow														
							FLOW STR	EAM ATTRI	BUTES			<u> </u>		
Plate Coeffieci (F _b) (F Mcfd	ent ,)		Circle one: Meter or ver Pressure psia	1	Press Extension P _m xh	Grav Fact	or T	Flowing emperature Factor F ₁₁	Fa	iation ctor : pv	Metered Flow R (Mcfd)	w GO (Cubic Barr	Feet/	Flowing Fluid Gravity G _m
			-			(OPEN E)	OW) (DELIVI	EDARII ITV	CALCUL	ATIONS				
P _c) ² =		_:	(P _w) ² =		•	P _d =	99		14.4) +		:		$(a_a)^2 = 0.5$ $(a_b)^2 =$	207
(P _c) ² - (F or (P _c) ² - (F	- 1	(P	_c)² - (P _w)²	1. 2.	of formula 1 or 2: $P_c^2 - P_a^2$ $P_c^2 - P_d^2$ by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide by:	P _c ² -P _w ²	Slop	sure Curve e = "n" origned rd Slope	n x LC	og [Antilog	De	pen Flow diverability s R x Antilog (Mcfd)
														<u> </u>
Open Flow	v				lcfd @ 14.6	65 psia		Deliverabi	litv			Mcfd @ 14.65 p	nsia	
The u	ndersig	ned	authority, o	n bet	alf of the	Company, s	tates that he	e is duly aut	horized to	make the	***************************************	rt and that he		viedge of
							. Executed	40			OVEMBEI			20 10
			Witness ((if any)	- 					SUN	For C	Company	RI	ECEIVE
			For Comm	nission		•	<u>`</u>	_			Chec	ked by	, NO	V 2 2 2

KCC WICHITA

		part of the second of the seco	e state of Kansas that I		o request
exempt status under Rule K.A.	R. 82-3-304 on I	behalf of the o	perator HERMAN L. LO	EB LLC:	
and that the foregoing pressu	re information a	and statement	s contained on this app	lication form are	true and
correct to the best of my knowl	ledge and belief	f based upon a	available production sum	maries and leas	e records
of equipment installation and/o	* * * * * * * * * * * * * * * * * * * *	•	·	•	n named.
I hereby request a one-yea	ar exemption fro	om open flow te	esting for the HARDY#	2	·
gas well on the grounds that s	aid well:	\$ 100 kg.		·\$	1
(Check one)	\$ 12 mg	.****	e ş. i	•	
·	d methane prod	lucer	A CONTRACTOR		* *
	n plunger lift du				
<u></u>	. •		o an oil reservoir underg	ioina ER	***
	-	-	oproval Docket No.	,	
<u> </u>	en e				
	hin at araducing	a at a dailu rat	a in avegee of 250 mcf/[1	
	ble of producing	g at a daily rat	e in excess of 250 mcf/l		
	•			•	Commission
I further agree to supply to	o the best of my	ability any an	d all supporting docume	•	Commission
	o the best of my	ability any an	d all supporting docume	•	Commission
I further agree to supply to staff as necessary to corrobor	o the best of my	ability any an	d all supporting docume	•	Commission
I further agree to supply to	o the best of my	ability any an	d all supporting docume	•	Commission
I further agree to supply to staff as necessary to corrobor	o the best of my	ability any an	d all supporting docume	•	Commission
I further agree to supply to staff as necessary to corrobor	o the best of my	ability any an	d all supporting docume	•	Commission
I further agree to supply to staff as necessary to corrobor	o the best of my	ability any an	d all supporting docume	•	Commission
I further agree to supply to staff as necessary to corrobor	o the best of my rate this claim fo	ability any an	d all supporting docume	ents deemed by (Commission

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.

HERMAN, L. LOEB LLC

OFFICE TELEPHONE: (618) 943-2227

FAX: (618) 943-2220

P.O. BOX 838 LAWRENCEVILLE ILLINOIS 62439

November 23, 2010

Jim Hemmen
Kansas Corporation Commission
Conservation Division – Legal Department
Finney State Office Bldg
130 S Market Room 2078
Wichita KS 67202-3802

RE: Les Oldham's Signature Authority for KCC Forms

Mr. Hemmen:

The management/directors of Herman L. Loeb, LLC hereby notifies the Conservation Division of the Kansas Corporation Commission that Mr. Les Oldham, as agent for Herman L. Loeb LLC can affix his signature to any and all KCC forms having to do with Herman L. Loeb LLC's gas/oil operations in Kansas and said signature will have the same binding authority upon the company as if an employee of or an officer in the company signed the form.

This authorization will remain in effect until you are otherwise notified.

Sincerely,

HERMAN L. LOEB LLC

Janette D. Loeb, Member/Manager

cc: Les Oldham

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