KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(See Instruc	tions on Re	verse Side)					
', Op	en Flo	W.				~ . ~ .									
✓ Deliverability				Test Date 10-16-2			API No. 15 -191-22518-0000								
Company Bartelson oil						Lease Hembe	Lease Hemberger			Well Number #4					
County Sumner			Location n 1/2 ne 1/4 nw			Section 18		TWP 32s			W)	***************************************	Acres / 40	Attributed	
Field Love Three			· · · · · · ·				Reservoir Elgin Sand				Gas Gathering Connection Atlas Pipeline				
Completion Date 10-19-2007			· · · · · · · · · · · · · · · · · · ·			Plug Back Total Depth 2524		eth		Packer S n/a	et at				
Casing Size 4 1/2			Weight 10.5#			Internal (3.875	Diameter		Set at 2524		Perforations 2468		To 2474		
Tubing Size 2 3/8			Weight 4.6			Internal [Diameter	Set at 2480		Pertorations n/a		то	То		
Type Completion (Describe) Single (Gas)				Type Flui Salt W	d Productio	n	Pump Unit or Traveling F pump unit			-					
			nutus / Tubir	1g)		~ ~ ~	arbon Diox	ide		% Nitrog	en	Gas G	avity - (3,	
tubing, o			**************************************				Pres	sure Taps			6 1 1.2 1.2 1. 1	(Meter	 Run) (P	rover) Size	
	5 44		Shut in	-13-20	010	_ 10 _ 8	am		10	-)-16		10 _{at} 8 am			
Well on Li						Dat		(AM) (PM) (AM) (PM)				_		(AM) (PM) (AM) (PM)	
	·,· · · · · · · · · · · · · · · · · ·						OBSERVE	D SURFAC	E DATA			Duration of Shut	, 72	Hours	
Static / Dynamic Property	ynamic Size		Circle one Meter Prover Pressure		ressure terential in	Flowing Well Head Temperature		Casing Wellhead Pressure (P _u) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _x) or (P _r)		Duration (Hours)	Duration Liqui		
Shut-In			930#		hes H ₂ 0			330	244,4	perg para		72			
Flow								000	0						
· · · · · · · · · · · · · · · · · · ·							FLOW ST	REAM ATTR	BUTES	<u> </u>					
Plate Coefficient (F _b) (F _b) Mcfd		Pro	Girde one Meter or over Pressure psia		Press Grav tension Fact Paxh Fa		tor	Flowing Temperature Factor F _{1,1}		ation ctor	Matered Flow R (McId)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
				1		(OPEN FL	OW) (DELIV	/ERABILITY	CALCUL	ATIONS				<u> </u>	
(P _c)² =		:	(P_)?	=	:	P ₄ =		% (1	- - 14.4) +	14.4 =	<u></u> ;	(F _a)	² = 0.2 ² =	····	
(P _c) ² · (P _a) ² (or (P _c) ² · (P _d) ²		(P	1		1. P _c ² . P _d ² LOG 1. P _c ² . P _d ² form 2. P _c ² . P _d ² and by P _c ² . P _g ² by		P.2. P.2	Sic	Backpressure Curve Slope = "n" or · · Assigned Standard Slope		og	Antilog D		nen Flow Iverability S R x Antriog (Mcfd)	
												<u> </u>			
Open Flor	w]	Mc	fd @ 14.6	65 psia		Deliverat	nility 55			Mcfd @ 14.65 ps	ia.		
The u	ınders	ignec	authority, o	n beha	It of the	Company, s	tates that h			make th		rt and that he ha		ledge of	
			n, and that s							day of De				20 10 .	
			Jadem	(it may a			-			.	R.				
			Witness							Mi	Let D	Sompany R-te-Go-	REC	EIVED	
			For Com	nission					,		Chec	skers by	חבר	2 0 2019	

KCC WICHITA

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	status under Rule K.A.R. 82-3-304 on behalf of the operator Bartelson Oil
	at the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
	ereby request a one-year exemption from open flow testing for the Hemberger # 4
gas we	ll 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
l fu	rther agree to supply to the best of my ability any and all supporting documents deemed by Commissio
	necessary to corroborate this claim for exemption from testing.
512/1 25	Tradecary to correspond and addition excompation from desiring.
D-4 1	12-18-2010
Date:	2-10-2010
	Signature:
	Title: operator

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.

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401 E. Douglas, Ste. 300, Wichita, KS 67202 (316) 269-4200

EXTENDED NATURAL GAS ANALYSIS

COMPANY NAME: Bartelson Oil

Lab #: **746673**

Sample I.D.: Hemberger #4, DST#2 SETT#: Elgin sand, TD 2439-2478

COUNTY: n/a

LEGAL LOCATION: Sec18-32S-3W

DATE SAMPLED: 10/2/07 SAMPLE PRESSURE: n/a DATE ANALYZED: 10/15/07 SAMPLER: Ricketts
TEMPERATURE (F): n/a

QUALITY CONTROL DATE: 10/15/07

ANALYSIS

CALCULATED AT 14.650 PSIA, 60 F, NORMALIZED

COMPONENT	MOLE %	BTU AMOUNT	GPM
METHANE	84.22	847.96	
ETHANE	4.73	83.44	1.26
PROPANE	2.52	63.21	0.69
SOBUTANE	0.41	13.29	0.13
NORMAL BUTANE	0.84	27.32	0.26
SOPENTANE	0.26	10.37	0.09
NORMAL PENTANE	0.27	10.79	0.1
HEXANES+	0.47	23.73	0.2
NITROGEN	5.93		
DXYGEN	*ND(<0.05)		
CARBON DIOXIDE	0.1		
HELIUM	0.25		
HYDROGEN	*ND(<0.02)		
TOTALS	100	1077	2.73

*ND=Not detectable. Detection limit in parenthesis.

BTU/FT ³ DRY (IDEAL GROSS): BTU/FT ³ SATURATED (IDEAL GROSS):	1077 1059.07	RECEIVED KH 10-16-07
BTU/FT ³ DRY (REAL GROSS): BTU/FT ³ SATURATED (REAL GROSS):	1082.9 1064.8	ENTERED/

SPECIFIC GRAVITY: 0.6664 COMPRESSIBILITY: 0.9974

GPM: 2.73

RESPECTFULLY SUBMITTED

PRIORITY ANALYTICAL LAB

Hexanes+ parameters: BTU (dry)=5065.8; S.G.=3.1765; Summation factor=.0861, at 14.696 psia. Analyzed and calculated by: Modified GPA 2261-90, 2145-94 & 2172-86.

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