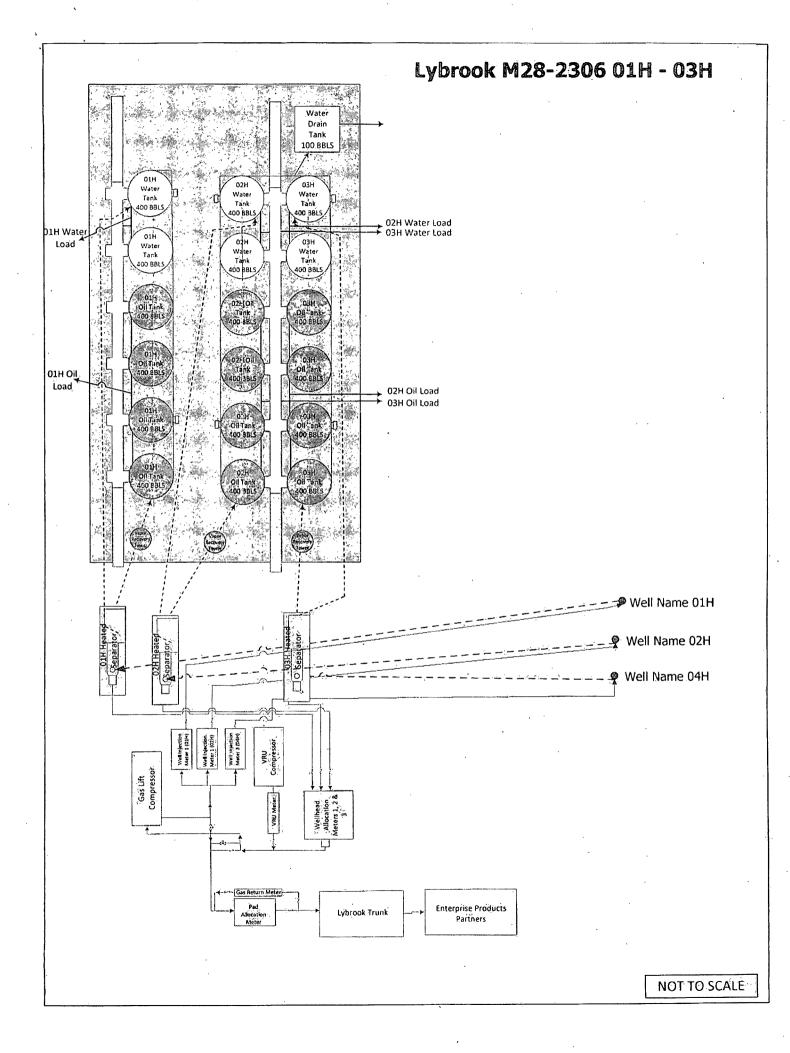
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Form 3160-5 (August 2007)	UNITED STATE EPARTMENT OF THE JREAU OF LAND MAN	INTERIOR	DENTIA	OI Ex	DRM APPROVED MB No. 1004-0137 pires: July 31, 2010
			- CIG 9 (8 (8 (8	5. Lease Serial No. NMNM 112953	
Do not use thi	(NOTICES AND REPC s form for proposals (l. Use Form 3160-3 (A	to drill or to;re-ente		6. If Indian, Allottee or	Tribe Name
				7. If Unit of CA/Agree	ment, Name and/or No.
I. Type of Well	MIT IN TRIPLICATE – Other	r instructions on page 2.	UG 21 201	N/A	
	is Well Diher			8. Well Name and No. Lybrook M28-2306 0	э1н
2. Name of Operator Encana Oil & Gas (USA) Inc.	Burgers Of Leven Lines		9. API WelliNo. 30-043-21178		
3a. Address	3b. Phone No. (include area code)		10. Field and Pool or Exploratory Area		
370 17th Street, Suite 1700 Deriver, CO 80202	720-876-5867		Lybrook Gallup		
4. Location of Well <i>(Footage, Sec.,</i> SHL: 354 ⁺ FSL and 1265 ⁺ FWL Sec 28, 123 BHL: 330 ⁺ FSL and 400 ⁺ FWL Sec 33, 123N,) II. Country o Sandoval, N				
12. Cł	ECK THE APPROPRIATE BO	DX(ES) TO INDICATE NA	FURE OF NOTIC	CE, REPORT OR OTHE	ER DATA
TYPE OF SUBMISSION		TYPE OF ACTI			
Notice of Intent	Acidize	Deepon Fracture Treat		uction (Start/Resume)	Water Shut-Off
Subsequent Report	Casing Repair	New Construction	Reco	mplete	Other
Final Abandonment Notice	Change Plans	Plug and Abandor	,	porarily Abandon r Disposal	Installation of Gas Lift
determined that the site is ready Encana Oil & Gas (USA) Inc. is r and the gas allocation procedure	equesting authorization to ins	stall gas lift at the Lybrook	M28-2306 01H	well. Attached is a sc	chematic of the pad with gas lift RCVD SEP 8 '1.4 OIL CONS. DIV. DIST. 3
	* .	ERE ATTOOM			
14. I hereby certify that the foregoing	is true and correct.	CONTRACTOR OF	han a stat	<u> </u>	
Name (Printed/Typed) Cristi Bauer	· ·	Title Ope	rationsTechnolo	ogist	
Signature RA	BAUFR	Date	8/20/	14	
	THIS SPACE	FOR FEDERAL OR	STATE OFF		
Approved by			~		1 1 .
Conditions of approval, if any, are alta that the applicant holds legal or equival entitle the applicant to conduct operation	ole title to those rights in the subje	s not warrant or certify ct lease which would Offic	Petr. E	ing la	Date 9514
and the second sec	43 U.S.C. Section 1212, make it a		gly and willfully to	o make to any department	or agency of the United States any false,
(Instructions on page 2)					
		NMOC	DFV		<u>،</u>

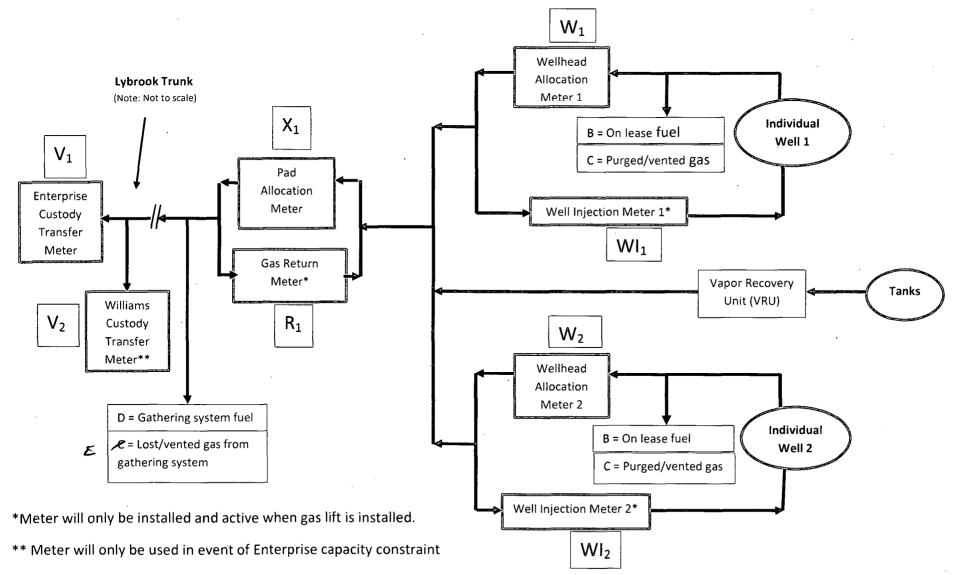
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Attachment No. 5 Encana Oil & Gas (USA) Inc. Lybrook Trunk Line #1, Gathering System San Juan County, New Mexico Amendment Dated May 15, 2014

Gas Measurement Allocation Procedure for Multi-Well Pads



Attachment No. 5 Encana Oil & Gas (USA) Inc. Lybrook Trunk Line #1, Gathering System San Juan County, New Mexico Amendment Dated May 15, 2014

Base Data:

V₁ = Gas Volume (MCF) from Custody Transfer Meter during allocation period (Enterprise)

V₂ = Gas Volume (MCF) from Custody Transfer Meter during allocation period (Williams)

X_x = Gas Volume (MCF) from Pad Allocation Meter during allocation period. (Encana)

R_x = Gas Volume (MCF) from Gas Return Meter at Well Pad (Encana)*

 $(X_x - R_x) = Gas Volume (MCF)$ for total Well Pad Production (Encana)

W_x = Gas Volume (MCF) from Wellhead Allocation Meter at individual wells during allocation period. (Encana)

WI_x = Gas Volume (MCF) from Well Injection Meter at individual wells during allocation period. (Encana)*

Y₁ = Heating Value (BTU/scf) from Custody Transfer Meter during allocation period. (Enterprise)

Y₂ = Heating Value (BTU/scf) from Custody Transfer Meter during allocation period. (Williams)

Z = Heating Value (BTU/scf) from individual Wellhead Allocation Meter and Well Injection Meter. (Encana)

Allocation Period is typically a calendar month and will be the same for all Well Pads and individual wells.

Well Pad Gas Production = A + B + C + D + E

A = Allocated Gas production off lease for Well Pad, MCF: $[(X_1-R_1)/((X_1-R_1)+(X_2-R_2)+(X_n-R_n))]^*(V_1+V_2)$

Please note, gas production (MCF) for individual wells on a Well Pad is calculated using the formula: $[(W_1-WI_1)/((W_1-WI_1)+(W_2-WI_2)+(W_n-WI_n))]^*(X_1-R_1)$

B = On lease fuel usage, MCF. Determined from equipment specification and operating conditions. This includes, but is not limited to, compression, vapor recovery unit (VRU) compression, burners, and pump jacks.

C = Lost and/or vented gas from well and/or lease equipment, MCF. Calculated using equipment and piping specifications and operating pressures.

Attachment No. 5 Encana Oil & Gas (USA) Inc. Lybrook Trunk Line #1, Gathering System San Juan County, New Mexico Amendment Dated May 15, 2014

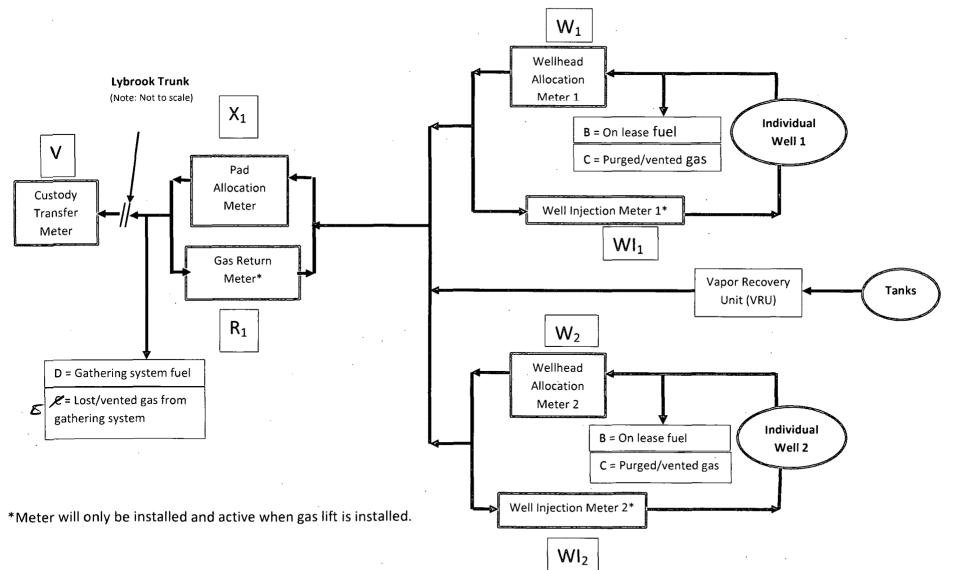
D = Allocated fuel from gathering system equipment, MCF. The total fuel required to operate gathering system equipment will be allocated to the Well Pads benefiting from the equipment using allocation factors determined by $[(X_1-R_1)/((X_1-R_1)+(X_2-R_2)+(X_n-R_n))]$ and for individual wells using allocation factors determined by $[(W_1-WI_1)/((W_1-WI_2)+(W_n-WI_n)+(X_2-R_2)+(X_n-R_n))]$

E = Allocated volume of gas lost and/or vented from the gathering system, gathering system equipment, condensate collection, and water collection in MCF. The total volume will be determined using industry accepted procedures the time of the loss. The total volumes lost and/or vented will be allocated to the Well Pads affected using factors determined by $[(X_1-R_1)/((X_1-R_1)+(X_2-R_2)+(X_n-R_n))]$, and for individual wells using factors determined by $[(W_1-WI_1)/((W_1-WI_2)+(W_n-WI_n))]$.

Individual Well BTU's = $[[{(W_n-WI_n)*Z_n}/{SUM((W_n-WI_n)*Z_n)}]*(V_1*Y_1+V_2*Y_2)*1000]$ Individual well gas heating values to be determined in accordance with BLM regulations.

Attachment No. 5 Encana Oil & Gas (USA) Inc. Lybrook Trunk Line #1, Gathering System Sandoval County, New Mexico Amendment Dated May 15, 2014

Gas Measurement Allocation Procedure for Multi-Well Pads



Attachment No. 5 Encana Oil & Gas (USA) Inc. Lybrook Trunk Line #1, Gathering System Sandoval County, New Mexico Amendment Dated May 15, 2014

Base Data:

V = Gas Volume (MCF) from Custody Transfer Meter during allocation period (Enterprise Products Partners)

 X_x = Gas Volume (MCF) from Pad Allocation Meter during allocation period. (Encana)

R_x = Gas Volume (MCF) from Gas Return Meter at Well Pad (Encana)*

 $(X_x - R_x) = Gas Volume (MCF)$ for total Well Pad Production (Encana)

W_x = Gas Volume (MCF) from Wellhead Allocation Meter at individual wells during allocation period. (Encana)

WI_x = Gas Volume (MCF) from Well Injection Meter at individual wells during allocation period. (Encana)*

Y = Heating Value (BTU/scf) from Custody Transfer Meter during allocation period. (Enterprise Products Partners)

Z = Heating Value (BTU/scf) from individual Wellhead Allocation Meter and Well Injection Meter. (Encana)

Allocation Period is typically a calendar month and will be the same for all Well Pads and individual wells.

Well Pad Gas Production = A + B + C + D + E

A = Allocated Gas production off lease for Well Pad, MCF: $[(X_1-R_1)/((X_1-R_1)+(X_2-R_2)+(X_n-R_n))]^*(V)$

Please note, gas production (MCF) for individual wells on a Well Pad is calculated using the formula: $[(W_1-WI_1)/((W_1-WI_1)+(W_2-WI_2)+(W_n-WI_n))]^*(X_1-R_1)$

B = On lease fuel usage, MCF. Determined from equipment specification and operating conditions. This includes, but is not limited to, compression, vapor recovery unit (VRU) compression, burners, and pump jacks.

C = Lost and/or vented gas from well and/or lease equipment, MCF. Calculated using equipment and piping specifications and operating pressures.

D = Allocated fuel from gathering system equipment, MCF. The total fuel required to operate gathering system equipment will be allocated to the Well Pads benefiting from the equipment using allocation factors determined by $[(X_1-R_1)/((X_1-R_1)+(X_2-R_2)+(X_n-R_n))]$ and for individual wells using allocation factors determined by $[(W_1-WI_1)/((W_1-WI_2)+(W_n-WI_n)+(W_2-WI_2)+(W_n-WI_n))]$.

Attachment No. S Encana Oil & Gas (USA) Inc. Lybrook Trunk Line #1, Gathering System Sandoval County, New Mexico Amendment Dated May 15, 2014

E = Allocated volume of gas lost and/or vented from the gathering system, gathering system equipment, condensate collection, and water collection in MCF. The total volume will be determined using industry accepted procedures the time of the loss. The total volumes lost and/or vented will be allocated to the Well Pads affected using factors determined by $[(X_1-R_1)/((X_1-R_1)+(X_2-R_2)+(X_n-R_n))]$, and for individual wells using factors determined by $[(W_1-WI_1)/((W_1-WI_2)+(W_n-WI_n))]$.

<u>Individual Well BTU's</u> = [[{ $(W_n - WI_n) * Z_n$ }/{ $SUM((W_n - WI_n) * Z_n)$ }]*(V*Y)*1000]

Individual well gas heating values to be determined in accordance with BLM regulations.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Farmington Field Office 6252 College Blvd., Suite A Farmington, New Mexico 87402

IN REPLY REFER TO:

CONDITIONS OF APPROVAL FOR GAS LIFT & BUY BACK METER INSTALLATIONS:

• The buy-back meter isolation valve, either up or down stream of the buyback meter must be effectively sealed in the closed position to prevent produced gas from potentially by-passing the measurement and sales meter. In lieu of the seal requirement at least two check valves can be installed in line with the buy-back meter to prevent produced gas from potentially by-passing the measurement and sales meter.

Contact this office so a BLM witness verify installation of either the seal or check valves.

- If seals are installed, seal records must be maintained and made available upon request.
 - Post a Facility sign that Clearly identifies <u>both</u> the sales and byback meters.