### Form 3160-5 (March 2012)

### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

## RECEIVED

FEB 07 2014

	FORM APPROVED	
	OMB No. 1004-0137	
	Expires: October 31, 2014	
erial No.		

SUBMI	T IN TRIPLICATE – Othe	7. If Unit of CA/Agreement, Name and/or No.			
1. Type of Well    Oil Well   Gas V	Vell Other	N/A  8. Well Name and No. Good Times D06-2309 01H			
2. Name of Operator Encana Oil & Gas (USA) Inc.		9. API Well No. 30-045-35419			
3a. Address 370 17th Street, Suite 1700 Denver, CO 80202	3b. Phone No. (include area code) 720-876-3533		10. Field and Pool or Exploratory Area South Bisti-Gallup		
4. Location of Well (Footage, Sec., T., SHL:210' FNL and 667' FWL Section 6, T23N, BHL: 342' FSL and 892' FWL Section 6, T23N,	n)		11. County or Parish, State San Juan County, NM		
12. CHE	CK THE APPROPRIATE B	OX(ES) TO INDICATE NATUI	RE OF NOTIO	CE, REPORT OR OTH	ER DATA
TYPE OF SUBMISSION	TYPE OF ACTION				
Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat	=	luction (Start/Resume) amation	Water Shut-Off Well Integrity
Subsequent Report	Casing Repair Change Plans	<ul><li>☐ New Construction</li><li>☐ Plug and Abandon</li></ul>		omplete porarily Abandon	OtherInstallation of Gas Lift
Final Abandonment Notice	Convert to Injection	Plug Back	☐ Wate	er Disposal	

Encana Oil & Gas (USA) Inc. is requesting authorization to install gas lift at the Good Times D06-2309 01H well pad. Attached is a schematic of the pad with gas lift and the gas allocation procedure.

following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has

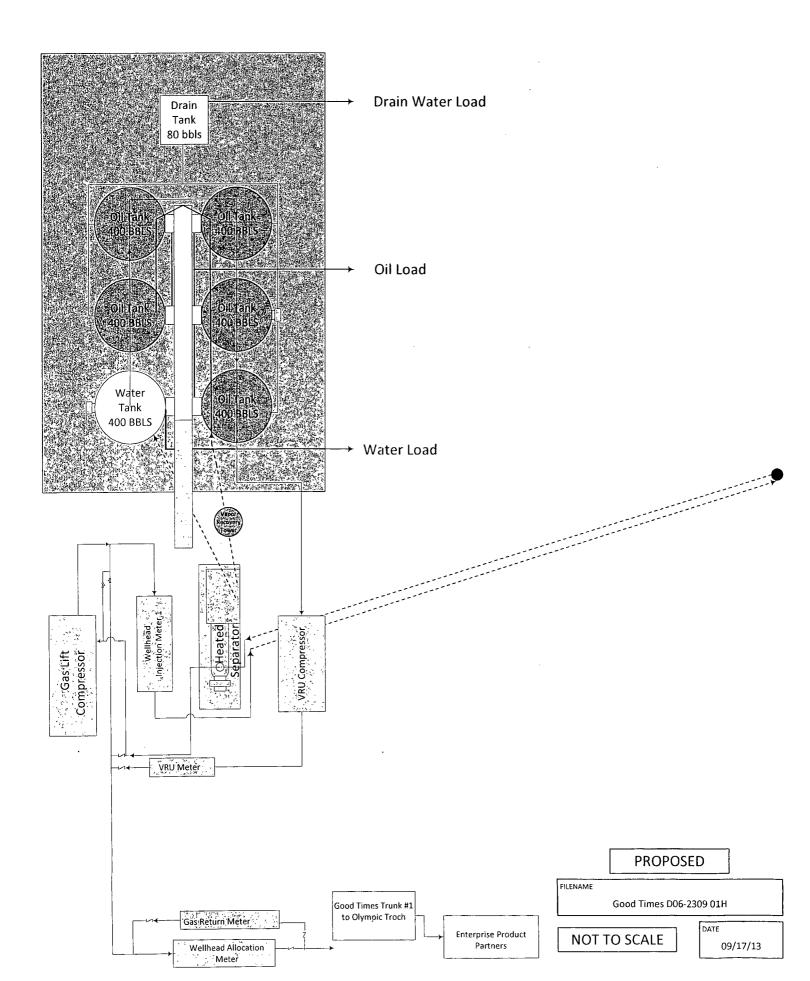
> ROWD MAR 12'14 ou cos. or. DIST. 3

COMETIONS OF APPROVAL

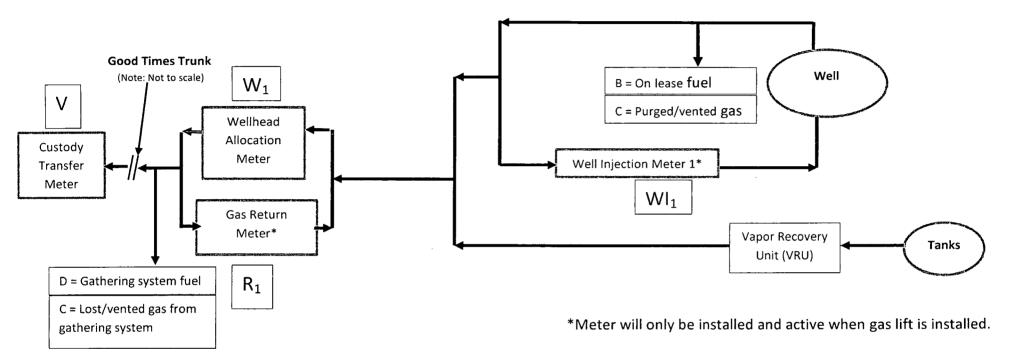
14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)					
Holly Hill	Title Regulatory Analyst				
Signature Holly Hill	Date 02/06/2014				
THIS SPACE FOR FEI	DERAL OR STATE OFFICE USE				
Approved by  Conditions of approval if any, are attached. Approval of this notice does not warrant	Title Petr. Eng. Date 3/10/14				

fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

determined that the site is ready for final inspection.)



### Gas Measurement Allocation Procedure for Single Well Pads



#### **Base Data:**

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

R = Gas Volume (MCF) from Gas Return Meter (Encana)\*

 $W_1$  = Gas Volume (MCF) from Wellhead Allocation Meter at individual wells during allocation period. (Encana)

WI<sub>1</sub> = 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 Product 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 individual wells.

# Encana Oil & Gas (USA) Inc. Good Times Trunk #1 Gathering System San Juan County, New Mexico

### Individual Well Gas Production = A + B + C + D + E

A = Allocated Gas production off lease, MCF:  $[(W_1-R_1)/((W_1-R_1)+(W_2-R_2)+(W_n-R_n))]*(V)$ 

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 individual wells benefiting from the equipment using allocation factors determined by  $[(W_1-R_1)/((W_1-R_1)+(W_2-R_2)+(W_n-R_n))]$ .

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 individual wells affected using factors determined  $[(W_1-R_1)/((W_1-R_1)+(W_2-R_2)+(W_0-R_n))]$ .

<u>Individual Well BTU's</u> =  $[((W_n-R_n)*Z_n)/SUM((W_n-R_n)*Z_n)]*Y$ 

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 buy-back 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 identify** both the sales and byback meters.