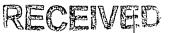
Form 3160-5 (March 2012)

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



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

SEP 18 2013 5. Lease Serial No. NMNM 112955

SUNDRY NOTICES AND REPORTS ON WELLS

6. If Indian, Allottee or Tribe Name Do not use this form for proposals to drill or to recenteran FIGIO UTINIA

abandoned well. Use Form 3160-3 (APD) for such proposals Managemen 7. If Unit of CA/Agreement, Name and/or No. SUBMIT IN TRIPLICATE - Other instructions on page 2. 1. Type of Well 8. Well Name and No. Escrito M07-2409-02H Oil Well Gas Well Other 9. API Well No. 30-045-35434 2. Name of Operator Encana Oil & Gas (USA) Inc. 3b. Phone No. (include area code) 10. Field and Pool or Exploratory Area 3a. Address 370 17th Street, Suite 1700 Denver, CO 80202 Bisti Lower- Gallup 720-876-3533 4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SHL:1017' FSL and 475' FWL Section 7, T24N, R9W
BHL: 660' FSL and 330'FWL Section 12, T24N, R10W 11. County or Parish, State San Juan County, NM 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Deepen Acidize Production (Start/Resume) Water Shut-Off ✓ Notice of Intent Alter Casing Fracture Treat Reclamation Well Integrity Casing Repair New Construction **√** Other Recomplete Subsequent Report Installation of Gas Lift Change Plans Plug and Abandon Temporarily Abandon Final Abandonment Notice Convert to Injection Plug Back Water Disposal 13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days 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 determined that the site is ready for final inspection.)

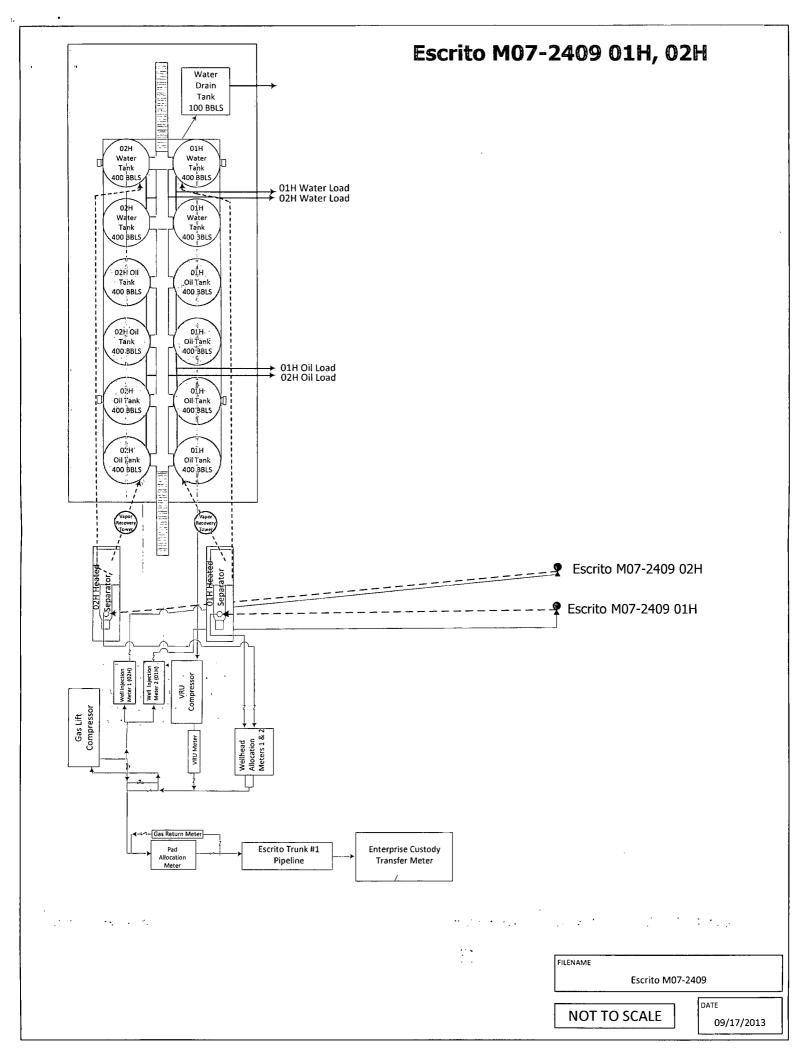
Encana Oil & Gas (USA) Inc. is requesting authorization to install gas lift at the Escrito M07-2409 02H well. Attached is a schematic of the pad with gas lift and the gas allocation procedure.

> RCVD NOV 8'13 OIL CONS. DIV. DIST. 3

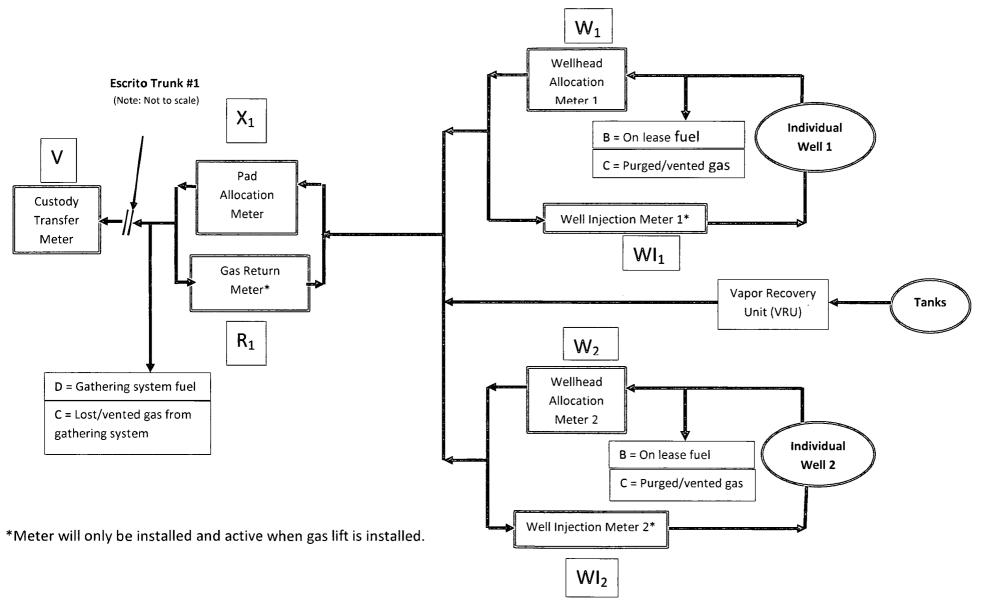
PLATS APPROVAL OR ACCEPTANCE OF THIS ACTION IDDIES NOT DESLIEVE THE LESSEE AND OPPLIATOR FROM OUTAINING ANY OTHER. AUTHORIZATION FLOURIED FOR OFFERTIONS ON PERCENAL AND INDIAN LANDS

SEE ATTACHED FOR **CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	
Katie Wegner T	itle Regulatory Analyst
Signature Law Me	Date 09/17/2013
THIS SPACE FOR FEDER	AL OR STATE OFFICE USE
Approved by	
Conditions of approval if any, are attached. Approval of this notice does not warrant or cert that the applicant holds legal or equitable title to those rights in the subject lease which woul entitle the applicant to conduct operations thereon.	



Gas Measurement Allocation Procedure for Escrito M07-2409 Well Pad



Base Data:

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

 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)

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: $[(W_1-WI_1)/((W_1-WI_1)+(W_2-WI_n))]^*(X_1-R_1)$

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 $[(W_1-WI_1)/((W_1-WI_1)+(W_2-WI_2)+(W_n-WI_n))]$.

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 $[(W_1-WI_1)/((W_1-WI_1)+(W_2-WI_2)+(W_n-WI_n))]$.

<u>Individual Well BTU's</u> = $[((W_n-WI_n)*Z_n)/SUM((W_n-WI_n)*Z_n)]*Y$ 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 6251 College Blvd., Suite A Farmington, New Mexico 87402

IN REPLY REFER TO:

CONDITIONS OF APPROVAL FOR GAS LIFT, BUY BACK METER AND CDP INSTALLATION:

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 immediately upstream and downstream of the buy-back meter to prevent produced gas from potentially by-passing the measurement and sales meter.

Contact this office so a BLM witness may 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 at the CDP listing the following information:
 - Operator Name
 - o Facility Name (i.e. Escrito M07-2409 02H CDP)
 - o UL, S-T-R, County and State

Clearly identify both the sales and by-back meters.

• Should future system needs require separation and/or compression equipment at the CDP, any liquid hydrocarbons recovered at the CDP must be allocated back to each well in proportion to the well's allocated gas production. Any fuel used at the CDP and at the well sites must also be allocated back to each contributing well in proportion to each well's allocated gas production. Fuel to run the Vapor Recovery Unit (VRU)

must also be allocated back to each contributing well in proportion to each well's oil contribution and the vapors recovered.

- Production and Sales allocation must be made on a Volumetric and MMBTU basis and be conducted in accordance with the allocation methodology proposed.
- Measurement of gas at the well sites <u>and</u> the CDP must be conducted in accordance with the requirements outlined in Onshore Order No. 3, Site security, Onshore Order No. 4, Oil Measurement, Onshore Order No. 5, Gas Measurement and NM NTL 2008-01, Electronic Flow Measurement.
- In Order to prevent waste and conserve natural gas, periodic review of each well's venting procedures must be conducted in accordance with the requirements outlined in NTL-ADO-93-1. Vented gas must be allocated back to each well based on the well's proportionate vented volume. Any gas vapor recovery from the VRU must be allocated to each well in proportion to each well's oil production.
- No other wells can be added to this measurement system without the prior authorization of this office.
- Contact this office in the event of any lost hydrocarbons between the wells and the CDP.
- This office reserves the right to require audit records of all wells contributing to this CDP.
- Failure to operate this facility in accordance with the conditions outlined above and in accordance with your application will subject this approval to revocation. In addition, this office reserves the right to rescind this approval should future evaluation of this method of measurement indicate lost or reduced royalties.