

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM008005
2. Name of Operator ENCANA OIL & GAS (USA) INCORP Contact: JEVIN CROTEAU E-Mail: jevin.croteau@encana.com		6. If Indian, Allottee or Tribe Name EASTERN NAVAJO
3a. Address 370 17TH STREET, SUITE 1700 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 720-876-5339	7. If Unit or CA/Agreement, Name and/or No. NMNM132981A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 9 T23N R9W NENE 260FNL 399FEL 36.248043 N Lat, 107.786728 W Lon		8. Well Name and No. NAGEEZI UNIT 510H
		9. API Well No. 30-045-35862-00-X1
		10. Field and Pool or Exploratory Area BASIN MANCOS
		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			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 is requesting authorization to install gas lift on the subject well. Please find attached the gas lift install procedure and gas lift design.

NMOCGD
 NOV 15 2018
 DISTRICT III

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #437391 verified by the BLM Well Information System
For ENCANA OIL & GAS (USA) INCORPO, sent to the Farmington
Committed to AFMSS for processing by JACK SAVAGE on 11/06/2018 (19JWS0031SE)**

Name (Printed/Typed) JEVIN CROTEAU	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 09/27/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>JACK SAVAGE</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>11/06/2018</u>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office <u>Farmington</u>

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NU A09-2309 510H

Tubing – Gas Lift Install Procedure – 9/25/18

Scope

Install a tapered tubing string, 2-7/8" x 2-3/8", with 2-7/8" gas lift valves. Gas lift valves will be installed in the 2-7/8" tubing above the liner top. A tubing anchor catcher will be set at approx. 50° and tubing set in tension. A 2-7/8" X nipple will be set just below the TAC in the 2-7/8". The 2-3/8" string will start at approx. 50° (above the liner top) and land at 80°.

Current Wellbore Details:

All depths from KB (14')
7" Int csg set at 5,189' MD (~70°)
4 1/2" liner – top at 4,994' MD (~54°)
Perfs (30 stages) 5,529' – 12,498' MD

Proposed Tubing Details:

All depths from KB (14')
2-7/8" tbg to 4,920' MD (TOL @ 4,994' & 54°)
2-7/8" Gas Lift Valves – 2,046', 2,833', 3,513', 4,037', 4,554'
2-7/8" x 7" TAC set @ 4,920'
2-7/8" X Nipple @ 4,924' MD (~54°)
2-7/8" x 2-3/8" x-over @ 4,925' MD
2-3/8" tbg to 5,330' MD (80°)

Procedure:

1. Complete drillout and circulate hole clean.
2. PU and TIH w/ approx. 405' of J55 2-3/8" 4.7# tbg.
3. X-over to 2-7/8". Liner top is @ 4,994'.
4. Make up 2-7/8" X Nipple and 7" tubing anchor. Run approx. 4,920' of 2-7/8", J55, 6.4# tbg with gas lift valves installed per Superior design (depths noted above).
5. Install tubing hanger and tree. Land tubing in 15,000 lb tension.
6. Turn over to Production for gas lift operations.

Contact Information:

Casey Morse	Production Engineer	720-876-3753 (o) 603-205-3780 (c)
Tony Ferrari	Production Coordinator	505-599-2412 (o) 505-258-3875 (c)
James Jmieff	Production Manager	720-876-5343 (o) 720-412-0339 (c)