

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.*

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		5. Lease Serial No. NMNM 8005
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Encana Oil & Gas (USA) Inc.		7. If Unit of CA/Agreement, Name and/or No. NMNM 132981A
3a. Address 370 17th Street, Suite 1700 Denver, CO 80202	3b. Phone No. (include area code) (720) 876-3533	8. Well Name and No. Nageezi Unit 406H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL: 2000' FSL and 1725' FWL Section 03, T23N, R9W BHL: 2449' FSL and 339' FEL Section 10, T23N, R9W		9. API Well No. 30-045-35842
		10. Field and Pool or Exploratory Area Nageezi Unit; Mancos (Oil)
		11. Country 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 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 checked="" type="checkbox"/> Subsequent Report <i>bl</i>	<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 Completions Information
	<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 recompleat 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 recompleat 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. performed completion operations from 08/18/2017 to 09/11/2017, which are detailed on the attachment enclosed.

Please note that this Sundry Notice is being resubmitted with the revised attached updated operations report to show additional operations that were performed.

ACCEPTED FOR RECORD

OIL CONSIDER/DIST 3

DEC 08 2017

DEC 04 2017  
FARMINGTON FIELD OFFICE

RECEIVED

DEC 04 2017

Farmington Field Office  
Bureau of Land Management

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Jevin Croteau		Title Senior Regulatory Analyst
Signature		Date 11/29/2017

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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	

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.

**Nageezi Unit 406H API: 30-045-35842 Completions Sundry Information dated 09/29/2017:**

**06/16/2017:**

- Test BOP's with 4" DP & back to pumps, TIW, Inside gray valve, Choke manifold, Pipe and blind rams, 250 psi low, 3000 psi high, Hydrill 250 psi low, 2100 psi high, Pull test joint, Install check valve; Test blinds and check valve to 250 psi low, 3000 psi high, Pull test plug and close casing valve; Test Casing to 1500 psi for 30 minutes; Function test accumulator and verified pre-charge pressure.

**07/04/2017:**

- RIH with 134 jts of 4 ½" 11.6# P-110 buttress thread liner casing.
- Load back side of 4 ½" csg, press up to 1,500 psi, help good for 15 min, remove BOP, install frac stack, secure well.

**08/18/2017:**

- Install BOP & test, 250 psi low for 5 min, good test, 4,500 psi high for 5 min, good test.
- Lower rig floor, get handling tools ready to run tbg, load out tbg racks with tbg and tally.
- PU polishing mill, RIH with 162 jts, tag top of liner @ 5,027', polish liner.
- POOH with tbg laying dwn, laid polishing mill dwn.
- Change handling tools over to 4 1/2", load out pipe racks with 4 1/2" 11.6# P-110 buttress csg & tally.
- PU liner seal assembly, RIH with 116 jts of 4 1/2" 11.6# CS buttress csg, RIH with 67 jts, EOP @ 2950'.
- Secure well, SDFN.

**08/19/2017:**

- Press up on backside of 4 ½" csg to 1,500 psi and monitor, press test line to 8,000 psi, test good.
- RU, pressure test lines to 9,000 psi, open well, pressure test casing to 5,000 psi for 10 min, test good, start bringing press up in 500 psi increments till alpha sleeve opened @ 6,400 psi, brought rate up to 2 bpm pumped 34 bbls press @ 3,000 psi, increase rate to 4 bpm, pump 34 bbls press @ 3,500 psi, increase rate to 6 bpm, pump 34 bbls press @ 5,000 psi, increase rate to 8 bpm press @ 4,900 psi, increase rate to 10 bpm, pump 34 bbls press @ 4,500 psi, drop rate to 5 bpm, pump 2,000 gals 15% NEFE acid, increase rate to 10 bpm press @ 3,800 psi, pumped 124 bbls acid on formation press @ 1,500 psi, ISIP 833.
- Pressure test lubricator to 4,500 psi, test good, equalize to 700 psi, open well.
- RIH with perf gun, tie into liner top, perf 10,901', to 10,962', POOH with wireline all shots fired, RD wireline.
- Well shut in. Secure location. Wait on frac ops.

**08/28/17:**

- Press test fluid side lines to 9,500 psi, test good, test N2 lines to 9,500 psi, had leak on chicksan, replace chicksan, press test lines to 9,500 psi, test good, equalize and open well.
- Frac Stage # 1 of 29, Avg BH Rate 60 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 71%/ Total N2- 105,600 scf/Avg N2 Rate 29,818 scfm/ Total 20/40 145,400 lbs/ Total 20# Water Frac 691 bbls.
- Pressure Test Lubricator to 4500 psi.
- RIH with wireline, set CFP at 10,886', Perforate stage #2 of 29, 10,667' to 10,871', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.

- Frac Stage # 2 of 29, Avg BH Rate 59 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 155,768,3 scf/Avg N2 Rate 27,975 scfm/ Total 20/40 250,806 lbs/ Total 20# Water Frac 1,275 bbls.
- Pressure Test Lubricator to 4500 psi.
- RIH with wireline, set CFP at 10,662', Perforate stage #3 of 29, 10,451' to 10,655', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,400 psi.
- Frac Stage # 3 of 29, Avg BH Rate 60 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,733,759 scf/Avg N2 Rate 35,048 scfm/ Total 20/40 256,600 lbs/ Total 18# Water Frac 1,012 bbls.
- Pressure Test Lubricator to 3600 psi.
- RIH with wireline, set CFP at 10,446', Perforate stage #4 of 29, 10,240' to 10,436', 36 holes, POOH with wireline, all shots fired.
- Waiting on offset well Operations @ report time.

**08/29/17:**

- Press test frac lines to 9,500 psi.
- Frac Stage # 4 of 29, Avg BH Rate 59.3 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 71%/ Total N2 1,561,596 scf/Avg N2 Rate 29,306 scfm/ Total 20/40 253,700 lbs/ Total 18# Water Frac 909 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 10,236', Perforate stage #5 of 29, 10,019' to 10,223', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 5 of 29, Avg BH Rate 59.3 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 71%/ Total N2 1,498,184 scf/Avg N2 Rate 27,919 scfm/ Total 20/40 254,200 lbs/ Total 18# Water Frac 1,064 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 10,012', Perforate stage #6 of 29, 9,803' to 10,000', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 6 of 29, Avg BH Rate 59.7 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 71%/ Total N2 1,503,802 scf/Avg N2 Rate 28,279 scfm/ Total 20/40 249,100 lbs/ Total 18# Water Frac 1,256 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 9,798', Perforate stage # 7 of 29, 9,587' to 9,792', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 7 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,519,005 scf/Avg N2 Rate 27,402 scfm/ Total 20/40 250,300 lbs/ Total 16# Water Frac 1210 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 9,582', Perforate stage # 8 of 29, 9,371' to 9,572', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 8 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,478,149 scf/Avg N2 Rate 28,564 scfm/ Total 20/40 252,600 lbs/ Total 16# Water Frac 1100 bbls.
- Pressure Test Lubricator to 3,500 psi.

- RIH with wireline, set CFP at 9,366', Perforate stage # 9 of 29, 9,172' to 9,356', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 9 of 29, Avg BH Rate 60 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,484,309 scf/Avg N2 Rate 28,441 scfm/ Total 20/40 250,570 lbs/ Total 16# Water Frac 1400 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 9,165', Perforate stage # 10 of 29, 8,974' to 9,155', 36 holes, POOH with wireline, all shots fired @ Report time.

#### 08/30/17:

- Press test N2 lines to 9,500 psi 24HR test, test fluid line to 9,500 psi.
- Frac Stage # 10 of 29, Avg BH Rate 58.7 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,566,391 scf/Avg N2 Rate 30,622 scfm/ Total 20/40 245,500 lbs/ Total 16# Water Frac 1,340 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 8,968', Perforate stage # 11 of 29, 8,776' to 8,958', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 11 of 29, Avg BH Rate 58.6 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,566,619 scf/Avg N2 Rate 30,366 scfm/ Total 20/40 253,000 lbs/ Total 16# Water Frac 1,487 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 8,772', Perforate stage # 12 of 29, 8,578' to 8,762', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 12 of 29, Avg BH Rate 63 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,598,781 scf/Avg N2 Rate 28,592 scfm/ Total 20/40 252,611 lbs/ Total 16# Water Frac 1315 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 8,574', Perforate stage # 13 of 29, 8,380' to 8,564', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 13 of 29, Avg BH Rate 63 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,568,660 scf/Avg N2 Rate 31,528 scfm/ Total 20/40 254,800 lbs/ Total 16# Water Frac 1206 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 8,376', Perforate stage # 14 of 29, 8,182' to 8,366', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 14 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,522,862 scf/Avg N2 Rate 31,175 scfm/ Total 20/40 252,400 lbs/ Total 16# Water Frac 1312 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 8,176', Perforate stage # 15 of 29, 7,984' to 8,166', 36 holes, POOH with wireline, all shots fired.

#### 08/31/17:

- Press test-frac lines to 9,500 psi.

- Frac Stage # 15 of 29, Avg BH Rate 57.7 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,493,774 scf/Avg N2 Rate 29,833 scfm/ Total 20/40 250,200 lbs/ Total 13# Water Frac 1,142 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 7,980', Perforate stage # 16 of 29, 7,786' to 7,971', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 16 of 29, Avg BH Rate 57.4 Bpm/Avg Slurry Rate 23 Bpm/Avg N2 Quality 70%/ Total N2 1,665,248 scf/Avg N2 Rate 29,941scfm/ Total 20/40 249,600 lbs/ Total 16# Water Frac 1,456 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 7,784', Perforate stage # 17 of 29, 7,588' to 7,785', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- While on 2 ppg sand pressure begin to increase from 5,200 psi up to 7,500 psi check viscosity and come to find out we have lost all gel quickly cut sand and flush well successfully, come to find out operator gel up the unit and wasnt mixing any gel,fix issue and got back on stage to placed remaining sand.
- Frac Stage # 17 of 29, Avg BH Rate 58 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 2,092,006 scf/Avg N2 Rate 29,526 scfm/ Total 20/40 254,100 lbs/ Total 16# Water Frac 1314 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 7,584', Perforate stage # 18 of 29, 7,390' to 7,574', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 18 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,516,457 scf/Avg N2 Rate 30,042 scfm/ Total 20/40 252,800 lbs/ Total 14# Water Frac 1,268 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 7,386', Perforate stage # 19 of 29, 7,192' to 7,376', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 19 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,453,368 scf/Avg N2 Rate 30,056 scfm/ Total 20/40 251,300 lbs/ Total 14# Water Frac 1,232 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 7,188', Perforate stage # 20 of 29, 6,994' to 7,178', 36 holes, POOH with wireline, all shots fired.

09/01/17:

- Press test frac lines to 9,500 psi.
- Frac Stage # 20 of 29, Avg BH Rate 57.7 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 69%/ Total N2 1,520,994 scf/Avg N2 Rate 29,955 scfm/ Total 20/40 249,000 lbs/ Total 14# Water Frac 1,130 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 6,990', Perforate stage # 21 of 29, 6,796' to 6,981', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.

- Frac Stage # 21 of 29, Avg BH Rate 58.1 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 69%/ Total N2 1,461,948 scf/Avg N2 Rate 29,977 scfm/ Total 20/40 250,300 lbs/ Total 12# Water Frac 1,228 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 6,790', Perforate stage # 22 of 29, 6,598' to 6,780', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 22 of 29, Avg BH Rate 57.3 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 68%/ Total N2 1,435,857 scf/Avg N2 Rate 29,562 scfm/ Total 20/40 250,900 lbs/ Total 10# Water Frac 1,217 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,594', Perforate stage # 23 of 29, 6,400' to 6,584', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 23 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,559,749 scf/Avg N2 Rate 30,720 scfm/ Total 20/40 263,400 lbs/ Total 12# Water Frac 1221 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,396', Perforate stage # 24 of 29, 6,202' to 6,386', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 24 of 29, Avg BH Rate 62 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,588,659 scf/Avg N2 Rate 31,202 scfm/ Total 20/40 250,522 lbs/ Total 12# Water Frac 1195 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,198', Perforate stage # 25 of 29, 6,004' to 6,188', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 25 of 29, Avg BH Rate 62 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,603,755 scf/Avg N2 Rate 31,317 scfm/ Total 20/40 251,490 lbs/ Total 12# Water Frac 1100 bbls.
- Pressure Test Lubricator to 3,500 psi.
- Miss run on WL stage #26 @ report time.

#### 09/02/17:

- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,000', Perforate stage # 26 of 29, 5,806' to 5,991', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 26 of 29, Avg BH Rate 59.7 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 69%/ Total N2 1,549,120 scf/Avg N2 Rate 29,933 scfm/ Total 20/40 249,000 lbs/ Total 10# Water Frac 1,223 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 5,802', Perforate stage # 27 of 29, 5,608' to 5,793', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 27 of 29, Avg BH Rate 57.9 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 69%/ Total N2 1,477,595 scf/Avg N2 Rate 29,958 scfm/ Total 20/40 251,000 lbs/ Total 10# Water Frac 1,121 bbls.

- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 5,604', Perforate stage # 28 of 29, 5,412' to 5,594', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 28 of 29, Avg BH Rate 58.9 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 56%/ Total N2 1,549,463 scf/Avg N2 Rate 31,051 scfm/ Total 20/40 250,200 lbs/ Total 10# Water Frac 1.104 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 5,406', Perforate stage # 29 of 29, 5,212' to 5,396', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 29 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,615,957 scf/Avg N2 Rate 31,278 scfm/ Total 20/40 250,921 lbs/ Total 12# Water Frac 1100 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH With Kill Plug Set it @ 5,160' WLM, pressure before set plug 740 psi, open well to OT with no returns and 0 psi.
- Begin RD all frac associated equipment @ report time.
- Prepare location for drillouts.

**09/09/17:**

- Install BOP, replace annular, test BOP stack 250 psi low & 4,500 psi high, chart the same, good test.
- RU 4 1/2" handling tools, POOH with 1 jt of 4 1/2" csg and laid down, land csg back in wellhead.
- Load out pipe racks with tbg and tally, PU 3 5/8" 5 blade reverse clutch mill, RIH with tbg tag kill plug @ 5,179'.
- RU power swivel. Blow well dry, start pumping water down tbg, break circulation, build well head pressure up to 400 psi.
- Tag Kill Plug begin DO Ops. DO CFP #1 thru #11.

**09/10/17:**

- DO CFP #12 through #28.
- Circulate well with 205 bbls fresh water, sweep on surface, had light sand & medium plug parts.
- Swivel out 5 jts, rack swivel back, continue POOH with tbg laying down to 5,429'.
- POOH with tbg laying down to 4254' vertical depth and pump 100 bbls of 10# brine to kill well, well on vacuum 0 psi.
- Continue laying down tbg, laid down bit sub & mill.
- Start changing handling tools over for 4 1/2" csg.

**09/11/17:**

- POOH laying down 114 jts of 4 1/2" tie back liner.
- Load out trucks with 4 1/2" csg, unload 2 7/8" tbg and put on pipe racks, tally tbg, change handling tools from 4 1/2" to 2 7/8", replace pipe rams from 4 1/2" to 2 7/8".
- RIH with tbg installing GLV's as per design, EOT @ 5,232'.
- Remove BOP stack.
- Install production tree and test 250 psi low & 4,500 psi high, chart the same, good test.
- RD Rig and auxiliary equipment. Start injecting N2 down csg @ 1,000 scfm, well kicked off, shut off N2, continue flowing well.



RECEIVED

Amended

Form 3160-5  
(June 2013)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NOV 09 2017

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Farmington Field Office

5. Lease Serial No.  
NMNM 8005

6. If Indian, Allottee or Tribe Name

N/A

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Encana Oil &amp; Gas (USA) Inc.

3a. Address

370 17th Street, Suite 1700  
Denver, CO 80202

3b. Phone No. (include area code)

(720) 876-3533

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 2000' FSL and 1725' FWL Section 03, T23N, R9W  
BHL: 2449' FSL and 339' FEL Section 10, T23N, R9W

7. If Unit of CA/Agreement, Name and/or No.

NMNM 132981A

8. Well Name and No.

Nageezi Unit 406H

9. API Well No.

30-045-35842

10. Field and Pool or Exploratory Area

Nageezi Unit; Mancos (Oil)

11. Country or Parish, State

San Juan County, NM

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<input checked="" 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 Completions Information
	<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 recomple 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 recomple 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. performed completion operations from 08/19/2017 to 09/02/2017, which are detailed on the attachment enclosed.

Please note that this Sundry Notice is being resubmitted with the attached updated operations report to show an additional casing pressure test that was performed.

OIL CONS. DIV DIST. 3

NOV 27 2017

ACCEPTED FOR RECORD

NOV 21 2017

FARMINGTON FIELD OFFICE

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Jevin Croteau

Title Senior Regulatory Analyst

Signature

Date

11/08/2017

## THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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)

NMOC



**Nageezi Unit 406H API: 30-045-35842 Completions Sundry Information dated 09/29/2017:**

**06/16/2017:**

- Test BOP's with 4" DP & back to pumps, TIW, Inside gray valve, Choke manifold, Pipe and blind rams, 250 psi low, 3000 psi high, Hydrill 250 psi low, 2100 psi high, Pull test joint, Install check valve; Test blinds and check valve to 250 psi low, 3000 psi high, Pull test plug and close casing valve; Test Casing to 1500 psi for 30 minutes; Function test accumulator and verified pre-charge pressure.

**07/04/2017:**

- Load back side of 4 ½" csg, press up to 1,500 psi, help good for 15 min, remove BOP, install frac stack, secure well.

**08/19/2017:**

- Press up on backside of 4 ½" csg to 1,500 psi and monitor, press test line to 8,000 psi, test good.
- RU, pressure test lines to 9,000 psi, open well, pressure test casing to 5,000 psi for 10 min, test good, start bringing press up in 500 psi increments till alpha sleeve opened @ 6,400 psi, brought rate up to 2 bpm pumped 34 bbls press @ 3,000 psi, increase rate to 4 bpm, pump 34 bbls press @ 3,500 psi, increase rate to 6 bpm, pump 34 bbls press @ 5,000 psi, increase rate to 8 bpm press @ 4,900 psi, increase rate to 10 bpm, pump 34 bbls press @ 4,500 psi, drop rate to 5 bpm, pump 2,000 gals 15% NEFE acid, increase rate to 10 bpm press @ 3,800 psi, pumped 124 bbls acid on formation press @ 1,500 psi, ISIP 833.
- Pressure test lubricator to 4,500 psi, test good, equalize to 700 psi, open well.
- RIH with perf gun, tie into liner top, perf 10,901', to 10,962', POOH with wireline all shots fired, RD wireline.
- Well shut in. Secure location. Wait on frac ops.

**08/28/17:**

- Press test fluid side lines to 9,500 psi, test good, test N2 lines to 9,500 psi, had leak on chicksan, replace chicksan, press test lines to 9,500 psi, test good, equalize and open well.
- Frac Stage # 1 of 29, Avg BH Rate 60 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 71%/ Total N2- 105,600 scf/Avg N2 Rate 29,818 scfm/ Total 20/40 145,400 lbs/ Total 20# Water Frac 691 bbls.
- Pressure Test Lubricator to 4500 psi.
- RIH with wireline, set CFP at 10,886', Perforate stage #2 of 29, 10,667' to 10,871', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 2 of 29, Avg BH Rate 59 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 155,768,3 scf/Avg N2 Rate 27,975 scfm/ Total 20/40 250,806 lbs/ Total 20# Water Frac 1,275 bbls.
- Pressure Test Lubricator to 4500 psi.
- RIH with wireline, set CFP at 10,662', Perforate stage #3 of 29, 10,451' to 10,655', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,400 psi.
- Frac Stage # 3 of 29, Avg BH Rate 60 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,733,759 scf/Avg N2 Rate 35,048 scfm/ Total 20/40 256,600 lbs/ Total 18# Water Frac 1,012 bbls.
- Pressure Test Lubricator to 3600 psi.

- RIH with wireline, set CFP at 10,446', Perforate stage #4 of 29, 10,240' to 10,436', 36 holes, POOH with wireline, all shots fired.
- Waiting on offset well Operations @ report time.

#### 08/29/17:

- Press test frac lines to 9,500 psi.
- Frac Stage # 4 of 29, Avg BH Rate 59.3 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 71%/ Total N2 1,561,596 scf/Avg N2 Rate 29,306 scfm/ Total 20/40 253,700 lbs/ Total 18# Water Frac 909 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 10,236', Perforate stage #5 of 29, 10,019' to 10,223', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 5 of 29, Avg BH Rate 59.3 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 71%/ Total N2 1,498,184 scf/Avg N2 Rate 27,919 scfm/ Total 20/40 254,200 lbs/ Total 18# Water Frac 1,064 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 10,012', Perforate stage #6 of 29, 9,803' to 10,000', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 6 of 29, Avg BH Rate 59.7 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 71%/ Total N2 1,503,802 scf/Avg N2 Rate 28,279 scfm/ Total 20/40 249,100 lbs/ Total 18# Water Frac 1,256 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 9,798', Perforate stage # 7 of 29, 9,587' to 9,792', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 7 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,519,005 scf/Avg N2 Rate 27,402 scfm/ Total 20/40 250,300 lbs/ Total 16# Water Frac 1210 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 9,582', Perforate stage # 8 of 29, 9,371' to 9,572', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 8 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,478,149 scf/Avg N2 Rate 28,564 scfm/ Total 20/40 252,600 lbs/ Total 16# Water Frac 1100 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 9,366', Perforate stage # 9 of 29, 9,172' to 9,356', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 9 of 29, Avg BH Rate 60 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,484,309 scf/Avg N2 Rate 28,441 scfm/ Total 20/40 250,570 lbs/ Total 16# Water Frac 1400 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 9,165', Perforate stage # 10 of 29, 8,974' to 9,155', 36 holes, POOH with wireline, all shots fired @ Report time.

08/30/17:

- Press test N2 lines to 9,500 psi 24HR test, test fluid line to 9,500 psi.
- Frac Stage # 10 of 29, Avg BH Rate 58.7 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,566,391 scf/Avg N2 Rate 30,622 scfm/ Total 20/40 245,500 lbs/ Total 16# Water Frac 1,340 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 8,968', Perforate stage # 11 of 29, 8,776' to 8,958', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 11 of 29, Avg BH Rate 58.6 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,566,619 scf/Avg N2 Rate 30,366 scfm/ Total 20/40 253,000 lbs/ Total 16# Water Frac 1,487 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 8,772', Perforate stage # 12 of 29, 8,578' to 8,762', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 12 of 29, Avg BH Rate 63 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,598,781 scf/Avg N2 Rate 28,592 scfm/ Total 20/40 252,611 lbs/ Total 16# Water Frac 1315 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 8,574', Perforate stage # 13 of 29, 8,380' to 8,564', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 13 of 29, Avg BH Rate 63 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,568,660 scf/Avg N2 Rate 31,528 scfm/ Total 20/40 254,800 lbs/ Total 16# Water Frac 1206 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 8,376', Perforate stage # 14 of 29, 8,182' to 8,366', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 14 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,522,862 scf/Avg N2 Rate 31,175 scfm/ Total 20/40 252,400 lbs/ Total 16# Water Frac 1312 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 8,176', Perforate stage # 15 of 29, 7,984' to 8,166', 36 holes, POOH with wireline, all shots fired.

08/31/17:

- Press test frac lines to 9,500 psi.
- Frac Stage # 15 of 29, Avg BH Rate 57.7 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,493,774 scf/Avg N2 Rate 29,833 scfm/ Total 20/40 250,200 lbs/ Total 13# Water Frac 1,142 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 7,980', Perforate stage # 16 of 29, 7,786' to 7,971', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.

- Frac Stage # 16 of 29, Avg BH Rate 57.4 Bpm/Avg Slurry Rate 23 Bpm/Avg N2 Quality 70%/ Total N2 1,665,248 scf/Avg N2 Rate 29,941scfm/ Total 20/40 249,600 lbs/ Total 16# Water Frac 1,456 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 7,784', Perforate stage # 17 of 29, 7,588' to 7,785', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- While on 2 ppg sand pressure begin to increase from 5,200 psi up to 7,500 psi check viscosity and come to find out we have lost all gel quickly cut sand and flush well successfully, come to find out operator gel up the unit and wasnt mixing any gel, fix issue and got back on stage to placed remaining sand.
- Frac Stage # 17 of 29, Avg BH Rate 58 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 2,092,006 scf/Avg N2 Rate 29,526 scfm/ Total 20/40 254,100 lbs/ Total 16# Water Frac 1314 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 7,584', Perforate stage # 18 of 29, 7,390' to 7,574', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 18 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,516,457 scf/Avg N2 Rate 30,042 scfm/ Total 20/40 252,800 lbs/ Total 14# Water Frac 1,268 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 7,386', Perforate stage # 19 of 29, 7,192' to 7,376', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 19 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,453,368 scf/Avg N2 Rate 30,056 scfm/ Total 20/40 251,300 lbs/ Total 14# Water Frac 1,232 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 7,188', Perforate stage # 20 of 29, 6,994' to 7,178', 36 holes, POOH with wireline, all shots fired.

09/01/17:

- Press test frac lines to 9,500 psi.
- Frac Stage # 20 of 29, Avg BH Rate 57.7 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 69%/ Total N2 1,520,994 scf/Avg N2 Rate 29,955 scfm/ Total 20/40 249,000 lbs/ Total 14# Water Frac 1,130 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 6,990', Perforate stage # 21 of 29, 6,796' to 6,981', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 21 of 29, Avg BH Rate 58.1 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 69%/ Total N2 1,461,948 scf/Avg N2 Rate 29,977 scfm/ Total 20/40 250,300 lbs/ Total 12# Water Frac 1,228 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 6,790', Perforate stage # 22 of 29, 6,598' to 6,780', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.

- Frac Stage # 22 of 29, Avg BH Rate 57.3 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 68%/ Total N2 1,435,857 scf/Avg N2 Rate 29,562 scfm/ Total 20/40 250,900 lbs/ Total 10# Water Frac 1,217 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,594', Perforate stage # 23 of 29, 6,400' to 6,584', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 23 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,559,749 scf/Avg N2 Rate 30,720 scfm/ Total 20/40 263,400 lbs/ Total 12# Water Frac 1221 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,396', Perforate stage # 24 of 29, 6,202' to 6,386', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 24 of 29, Avg BH Rate 62 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,588,659 scf/Avg N2 Rate 31,202 scfm/ Total 20/40 250,522 lbs/ Total 12# Water Frac 1195 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,198', Perforate stage # 25 of 29, 6,004' to 6,188', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 25 of 29, Avg BH Rate 62 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,603,755 scf/Avg N2 Rate 31,317 scfm/ Total 20/40 251,490 lbs/ Total 12# Water Frac 1100 bbls.
- Pressure Test Lubricator to 3,500 psi.
- Miss run on WL stage #26 @ report time.

#### 09/02/17:

- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,000', Perforate stage # 26 of 29, 5,806' to 5,991', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 26 of 29, Avg BH Rate 59.7 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 69%/ Total N2 1,549,120 scf/Avg N2 Rate 29,933 scfm/ Total 20/40 249,000 lbs/ Total 10# Water Frac 1,223 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 5,802', Perforate stage # 27 of 29, 5,608' to 5,793', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 27 of 29, Avg BH Rate 57.9 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 69%/ Total N2 1,477,595 scf/Avg N2 Rate 29,958 scfm/ Total 20/40 251,000 lbs/ Total 10# Water Frac 1,121 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 5,604', Perforate stage # 28 of 29, 5,412' to 5,594', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.

- Frac Stage # 28 of 29, Avg BH Rate 58.9 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 56%/ Total N2 1,549,463 scf/Avg N2 Rate 31,051 scfm/ Total 20/40 250,200 lbs/ Total 10# Water Frac 1.104 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 5,406', Perforate stage # 29 of 29, 5,212' to 5,396', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 29 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,615,957 scf/Avg N2 Rate 31,278 scfm/ Total 20/40 250,921 lbs/ Total 12# Water Frac 1100 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH With Kill Plug Set it @ 5,160' WLM, pressure before set plug 740 psi,,open well to OT with no returns and 0 psi.
- Begin RD all frac associated equipment @ report time.
- Prepare location for drillouts.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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.*

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

RECEIVED  
OCT 26 2017  
Farmington Field Office  
Bureau of Land Management

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		5. Lease Serial No. NMNM 8005
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Encana Oil & Gas (USA) Inc.		7. If Unit of CA/Agreement, Name and/or No. NMNM 132981A
3a. Address 370 17th Street, Suite 1700 Denver, CO 80202	3b. Phone No. (include area code) (720) 876-3533	8. Well Name and No. Nageezi Unit 406H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL: 2000' FSL and 1725' FWL Section 03, T23N, R9W BHL: 2449' FSL and 339' FEL Section 10, T23N, R9W		9. API Well No. 30-045-35842
		10. Field and Pool or Exploratory Area Nageezi Unit; Mancos (Oil)
		11. Country 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 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 checked="" 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 Completions Information
	<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 recompleat 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 recompleat 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. performed completion operations from 08/19/2017 to 09/02/2017, which are detailed on the attachment enclosed.

OIL CONS. DIV DIST. 3

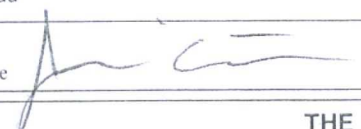
NOV 02 2017

ACCEPTED FOR RECORD

OCT 30 2017

FARMINGTON FIELD OFFICE

BY: 

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Jevin Croteau		Title Senior Regulatory Analyst
Signature 	Date 10/25/2017	

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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	

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)

NMOCD

**Nageezi Unit 406H API: 30-045-35842 Completions Sundry Information dated 09/29/2017:**

**07/04/2017:**

- Load back side of 4 ½" csg, press up to 1,500 psi, help good for 15 min, remove BOP, install frac stack, secure well.

**08/19/2017:**

- Press up on backside of 4 ½" csg to 1,500 psi and monitor, press test line to 8,000 psi, test good.
- RU, pressure test lines to 9,000 psi, open well, pressure test casing to 5,000 psi for 10 min, test good, start bringing press up in 500 psi increments till alpha sleeve opened @ 6,400 psi, brought rate up to 2 bpm pumped 34 bbls press @ 3,000 psi, increase rate to 4 bpm, pump 34 bbls press @ 3,500 psi, increase rate to 6 bpm, pump 34 bbls press @ 5,000 psi, increase rate to 8 bpm press @ 4,900 psi, increase rate to 10 bpm, pump 34 bbls press @ 4,500 psi, drop rate to 5 bpm, pump 2,000 gals 15% NEFE acid, increase rate to 10 bpm press @ 3,800 psi, pumped 124 bbls acid on formation press @ 1,500 psi, ISIP 833.
- Pressure test lubricator to 4,500 psi, test good, equalize to 700 psi, open well.
- RIH with perf gun, tie into liner top, perf 10,901' to 10,962', POOH with wireline all shots fired, RD wireline.
- Well shut in. Secure location. Wait on frac ops.

**08/28/17:**

- Press test fluid side lines to 9,500 psi, test good, test N2 lines to 9,500 psi, had leak on chicksan, replace chicksan, press test lines to 9,500 psi, test good, equalize and open well.
- Frac Stage # 1 of 29, Avg BH Rate 60 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 71%/ Total N2- 105,600 scf/Avg N2 Rate 29,818 scfm/ Total 20/40 145,400 lbs/ Total 20# Water Frac 691 bbls.
- Pressure Test Lubricator to 4500 psi.
- RIH with wireline, set CFP at 10,886', Perforate stage #2 of 29, 10,667' to 10,871', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 2 of 29, Avg BH Rate 59 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 155,768,3 scf/Avg N2 Rate 27,975 scfm/ Total 20/40 250,806 lbs/ Total 20# Water Frac 1,275 bbls.
- Pressure Test Lubricator to 4500 psi.
- RIH with wireline, set CFP at 10,662', Perforate stage #3 of 29, 10,451' to 10,655', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,400 psi.
- Frac Stage # 3 of 29, Avg BH Rate 60 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,733,759 scf/Avg N2 Rate 35,048 scfm/ Total 20/40 256,600 lbs/ Total 18# Water Frac 1,012 bbls.
- Pressure Test Lubricator to 3600 psi.
- RIH with wireline, set CFP at 10,446', Perforate stage #4 of 29, 10,240' to 10,436', 36 holes, POOH with wireline, all shots fired.
- Waiting on offset well Operations @ report time.

**08/29/17:**

- Press test frac lines to 9,500 psi.

- Frac Stage # 4 of 29, Avg BH Rate 59.3 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 71%/ Total N2 1,561,596 scf/Avg N2 Rate 29,306 scfm/ Total 20/40 253,700 lbs/ Total 18# Water Frac 909 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 10,236', Perforate stage #5 of 29, 10,019' to 10,223', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 5 of 29, Avg BH Rate 59.3 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 71%/ Total N2 1,498,184 scf/Avg N2 Rate 27,919 scfm/ Total 20/40 254,200 lbs/ Total 18# Water Frac 1,064 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 10,012', Perforate stage #6 of 29, 9,803' to 10,000', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 6 of 29, Avg BH Rate 59.7 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 71%/ Total N2 1,503,802 scf/Avg N2 Rate 28,279 scfm/ Total 20/40 249,100 lbs/ Total 18# Water Frac 1,256 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 9,798', Perforate stage # 7 of 29, 9,587' to 9,792', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 7 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,519,005 scf/Avg N2 Rate 27,402 scfm/ Total 20/40 250,300 lbs/ Total 16# Water Frac 1210 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 9,582', Perforate stage # 8 of 29, 9,371' to 9,572', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 8 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,478,149 scf/Avg N2 Rate 28,564 scfm/ Total 20/40 252,600 lbs/ Total 16# Water Frac 1100 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 9,366', Perforate stage # 9 of 29, 9,172' to 9,356', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 9 of 29, Avg BH Rate 60 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,484,309 scf/Avg N2 Rate 28,441 scfm/ Total 20/40 250,570 lbs/ Total 16# Water Frac 1400 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 9,165', Perforate stage # 10 of 29, 8,974' to 9,155', 36 holes, POOH with wireline, all shots fired @ Report time.

08/30/17:

- Press test N2 lines to 9,500 psi 24HR test, test fluid line to 9,500 psi.
- Frac Stage # 10 of 29, Avg BH Rate 58.7 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2-1,566,391 scf/Avg N2 Rate 30,622 scfm/ Total 20/40 245,500 lbs/ Total 16# Water Frac 1,340 bbls.
- Pressure Test Lubricator to 2,500 psi.

- RIH with wireline, set CFP at 8,968', Perforate stage # 11 of 29, 8,776' to 8,958', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 11 of 29, Avg BH Rate 58.6 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,566,619 scf/Avg N2 Rate 30,366 scfm/ Total 20/40 253,000 lbs/ Total 16# Water Frac 1,487 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 8,772', Perforate stage # 12 of 29, 8,578' to 8,762', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 12 of 29, Avg BH Rate 63 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,598,781 scf/Avg N2 Rate 28,592 scfm/ Total 20/40 252,611 lbs/ Total 16# Water Frac 1315 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 8,574', Perforate stage # 13 of 29, 8,380' to 8,564', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 13 of 29, Avg BH Rate 63 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,568,660 scf/Avg N2 Rate 31,528 scfm/ Total 20/40 254,800 lbs/ Total 16# Water Frac 1206 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 8,376', Perforate stage # 14 of 29, 8,182' to 8,366', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 14 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,522,862 scf/Avg N2 Rate 31,175 scfm/ Total 20/40 252,400 lbs/ Total 16# Water Frac 1312 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 8,176', Perforate stage # 15 of 29, 7,984' to 8,166', 36 holes, POOH with wireline, all shots fired.

**08/31/17:**

- Press test frac lines to 9,500 psi.
- Frac Stage # 15 of 29, Avg BH Rate 57.7 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,493,774 scf/Avg N2 Rate 29,833 scfm/ Total 20/40 250,200 lbs/ Total 13# Water Frac 1,142 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 7,980', Perforate stage # 16 of 29, 7,786' to 7,971', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 16 of 29, Avg BH Rate 57.4 Bpm/Avg Slurry Rate 23 Bpm/Avg N2 Quality 70%/ Total N2 1,665,248 scf/Avg N2 Rate 29,941scfm/ Total 20/40 249,600 lbs/ Total 16# Water Frac 1,456 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 7,784', Perforate stage # 17 of 29, 7,588' to 7,785', 36 holes, POOH with wireline, all shots fired...
- Press test frac lines to 9,500 psi.

- While on 2 ppg sand pressure begin to increase from 5,200 psi up to 7,500 psi check viscosity and come to find out we have lost all gel quickly cut sand and flush well successfully, come to find out operator gel up the unit and wasn't mixing any gel, fix issue and got back on stage to placed remaining sand.
- Frac Stage # 17 of 29, Avg BH Rate 58 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 2,092,006 scf/Avg N2 Rate 29,526 scfm/ Total 20/40 254,100 lbs/ Total 16# Water Frac 1314 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 7,584', Perforate stage # 18 of 29, 7,390' to 7,574', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 18 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,516,457 scf/Avg N2 Rate 30,042 scfm/ Total 20/40 252,800 lbs/ Total 14# Water Frac 1,268 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 7,386', Perforate stage # 19 of 29, 7,192' to 7,376', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 19 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,453,368 scf/Avg N2 Rate 30,056 scfm/ Total 20/40 251,300 lbs/ Total 14# Water Frac 1,232 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 7,188', Perforate stage # 20 of 29, 6,994' to 7,178', 36 holes, POOH with wireline, all shots fired.

#### 09/01/17:

- Press test frac lines to 9,500 psi.
- Frac Stage # 20 of 29, Avg BH Rate 57.7 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 69%/ Total N2 1,520,994 scf/Avg N2 Rate 29,955 scfm/ Total 20/40 249,000 lbs/ Total 14# Water Frac 1,130 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 6,990', Perforate stage # 21 of 29, 6,796' to 6,981', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 21 of 29, Avg BH Rate 58.1 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 69%/ Total N2 1,461,948 scf/Avg N2 Rate 29,977 scfm/ Total 20/40 250,300 lbs/ Total 12# Water Frac 1,228 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 6,790', Perforate stage # 22 of 29, 6,598' to 6,780', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 22 of 29, Avg BH Rate 57.3 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 68%/ Total N2 1,435,857 scf/Avg N2 Rate 29,562 scfm/ Total 20/40 250,900 lbs/ Total 10# Water Frac 1,217 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,594', Perforate stage # 23 of 29, 6,400' to 6,584', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.

- Frac Stage # 23 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,559,749 scf/Avg N2 Rate 30,720 scfm/ Total 20/40 263,400 lbs/ Total 12# Water Frac 1221 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,396', Perforate stage # 24 of 29, 6,202' to 6,386', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 24 of 29, Avg BH Rate 62 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,588,659 scf/Avg N2 Rate 31,202 scfm/ Total 20/40 250,522 lbs/ Total 12# Water Frac 1195 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,198', Perforate stage # 25 of 29, 6,004' to 6,188', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 25 of 29, Avg BH Rate 62 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,603,755 scf/Avg N2 Rate 31,317 scfm/ Total 20/40 251,490 lbs/ Total 12# Water Frac 1100 bbls.
- Pressure Test Lubricator to 3,500 psi.
- Miss run on WL stage #26 @ report time.

#### 09/02/17:

- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,000', Perforate stage # 26 of 29, 5,806' to 5,991', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 26 of 29, Avg BH Rate 59.7 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 69%/ Total N2 1,549,120 scf/Avg N2 Rate 29,933 scfm/ Total 20/40 249,000 lbs/ Total 10# Water Frac 1,223 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 5,802', Perforate stage # 27 of 29, 5,608' to 5,793', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 27 of 29, Avg BH Rate 57.9 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 69%/ Total N2 1,477,595 scf/Avg N2 Rate 29,958 scfm/ Total 20/40 251,000 lbs/ Total 10# Water Frac 1,121 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 5,604', Perforate stage # 28 of 29, 5,412' to 5,594', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 28 of 29, Avg BH Rate 58.9 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 56%/ Total N2 1,549,463 scf/Avg N2 Rate 31,051 scfm/ Total 20/40 250,200 lbs/ Total 10# Water Frac 1.104 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 5,406', Perforate stage # 29 of 29, 5,212' to 5,396', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.



- Frac Stage # 29 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,615,957 scf/Avg N2 Rate 31,278 scfm/ Total 20/40 250,921 lbs/ Total 12# Water Frac 1100 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH With Kill Plug Set it @ 5,160' WLM, pressure before set plug 740 psi,,open well to OT with no returns and 0 psi.
- Begin RD all frac associated equipment @ report time.
- Prepare location for drillouts.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 02 2017

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.*

Farmington Field Office  
Bureau of Land Management

<b>SUBMIT IN TRIPLICATE</b> - Other instructions on page 2		5. Lease Serial No. NMNM 8005
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. Indian, Allottee or Tribe Name N/A
2. Name of Operator Encana Oil & Gas (USA) Inc.		7. If Unit of CA/Agreement, Name and/or No. NMNM 132981A
3a. Address 370 17th Street, Suite 1700 Denver, CO 80202	3b. Phone No. (include area code) (720) 876-3533	8. Well Name and No. Nageezi Unit 406H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL: 2000' FSL and 1725' FWL Section 03, T23N, R9W BHL: 2449' FSL and 339' FWL Section 10, T23N, R9W		9. API Well No. 30-045-35842
		10. Field and Pool or Exploratory Area Nageezi Unit; Mancos (Oil)
		11. Country 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 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 checked="" 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 Completions Information
	<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 recompleat 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 recompleat 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 detennined that the site is ready for final inspection.)

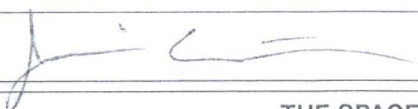
Encana Oil & Gas (USA) Inc. performed completion operations from 08/19/2017 to 09/02/2017, which are detailed on the attachment enclosed.

OIL CONS. DIV DIST. 3  
OCT 10 2017

ACCEPTED FOR RECORD

OCT 05 2017

FARMINGTON FIELD OFFICE  
BY: 

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Jevin Croteau		Title Senior Regulatory Analyst
Signature 		Date 09/29/2017

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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	

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)

NMOCD

**Nageezi Unit 406H API: 30-045-35842 Completions Sundry Information dated 09/29/2017:**

**07/04/2017:**

- Load back side of 4 ½" csg, press up to 1,500 psi, help good for 15 min, remove BOP, install frac stack, secure well.

**08/19/2017:**

- Press up on backside of 4 ½" csg to 1,500 psi and monitor, press test line to 8,000 psi, test good.
- RU, pressure test lines to 9,000 psi, open well, pressure test casing to 5,000 psi for 10 min, test good, start bringing press up in 500 psi increments till alpha sleeve opened @ 6,400 psi, brought rate up to 2 bpm pumped 34 bbls press @ 3,000 psi, increase rate to 4 bpm, pump 34 bbls press @ 3,500 psi, increase rate to 6 bpm, pump 34 bbls press @ 5,000 psi, increase rate to 8 bpm press @ 4,900 psi, increase rate to 10 bpm, pump 34 bbls press @ 4,500 psi, drop rate to 5 bpm, pump 2,000 gals 15% NEFE acid, increase rate to 10 bpm press @ 3,800 psi, pumped 124 bbls acid on formation press @ 1,500 psi, ISIP 833.
- Pressure test lubricator to 4,500 psi, test good, equalize to 700 psi, open well.
- RIH with perf gun, tie into liner top, perf 13,029', to 13,088', POOH with wireline all shots fired, RD wireline. TD = 11,045
- Well shut in. Secure location. Wait on frac ops.

**08/28/17:**

- Press test fluid side lines to 9,500 psi, test good, test N2 lines to 9,500 psi, had leak on chicksan, replace chicksan, press test lines to 9,500 psi, test good, equalize and open well.
- Frac Stage # 1 of 29, Avg BH Rate 60 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 71%/ Total N2- 105,600 scf/Avg N2 Rate 29,818 scfm/ Total 20/40 145,400 lbs/ Total 20# Water Frac 691 bbls.
- Pressure Test Lubricator to 4500 psi.
- RIH with wireline, set CFP at 10,886', Perforate stage #2 of 29, 10,667' to 10,871', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 2 of 29, Avg BH Rate 59 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 155,768,3 scf/Avg N2 Rate 27,975 scfm/ Total 20/40 250,806 lbs/ Total 20# Water Frac 1,275 bbls.
- Pressure Test Lubricator to 4500 psi.
- RIH with wireline, set CFP at 10,662', Perforate stage #3 of 29, 10,451' to 10,655', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,400 psi.
- Frac Stage # 3 of 29, Avg BH Rate 60 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,733,759 scf/Avg N2 Rate 35,048 scfm/ Total 20/40 256,600 lbs/ Total 18# Water Frac 1,012 bbls.
- Pressure Test Lubricator to 3600 psi.
- RIH with wireline, set CFP at 10,446', Perforate stage #4 of 29, 10,240' to 10,436', 36 holes, POOH with wireline, all shots fired.
- Waiting on offset well Operations @ report time.

**08/29/17:**

- Press test frac lines to 9,500 psi.

- Frac Stage # 4 of 29, Avg BH Rate 59.3 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 71%/ Total N2 1,561,596 scf/Avg N2 Rate 29,306 scfm/ Total 20/40 253,700 lbs/ Total 18# Water Frac 909 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 10,236', Perforate stage #5 of 29, 10,019' to 10,223', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 5 of 29, Avg BH Rate 59.3 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 71%/ Total N2 1,498,184 scf/Avg N2 Rate 27,919 scfm/ Total 20/40 254,200 lbs/ Total 18# Water Frac 1,064 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 10,012', Perforate stage #6 of 29, 9,803' to 10,000', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 6 of 29, Avg BH Rate 59.7 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 71%/ Total N2 1,503,802 scf/Avg N2 Rate 28,279 scfm/ Total 20/40 249,100 lbs/ Total 18# Water Frac 1,256 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 9,798', Perforate stage # 7 of 29, 9,587' to 9,792', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 7 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,519,005 scf/Avg N2 Rate 27,402 scfm/ Total 20/40 250,300 lbs/ Total 16# Water Frac 1210 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 9,582', Perforate stage # 8 of 29, 9,371' to 9,572', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 8 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,478,149 scf/Avg N2 Rate 28,564 scfm/ Total 20/40 252,600 lbs/ Total 16# Water Frac 1100 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 9,366', Perforate stage # 9 of 29, 9,172' to 9,356', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 9 of 29, Avg BH Rate 60 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,484,309 scf/Avg N2 Rate 28,441 scfm/ Total 20/40 250,570 lbs/ Total 16# Water Frac 1400 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 9,165', Perforate stage # 10 of 29, 8,974' to 9,155', 36 holes, POOH with wireline, all shots fired @ Report time.

**08/30/17:**

- Press test N2 lines to 9,500 psi 24HR test, test fluid line to 9,500 psi.
- Frac Stage # 10 of 29, Avg BH Rate 58.7 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,566,391 scf/Avg N2 Rate 30,622 scfm/ Total 20/40 245,500 lbs/ Total 16# Water Frac 1,340 bbls.
- Pressure Test Lubricator to 2,500 psi.

- RIH with wireline, set CFP at 8,968', Perforate stage # 11 of 29, 8,776' to 8,958', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 11 of 29, Avg BH Rate 58.6 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,566,619 scf/Avg N2 Rate 30,366 scfm/ Total 20/40 253,000 lbs/ Total 16# Water Frac 1,487 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 8,772', Perforate stage # 12 of 29, 8,578' to 8,762', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 12 of 29, Avg BH Rate 63 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 70%/ Total N2 1,598,781 scf/Avg N2 Rate 28,592 scfm/ Total 20/40 252,611 lbs/ Total 16# Water Frac 1315 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 8,574', Perforate stage # 13 of 29, 8,380' to 8,564', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 13 of 29, Avg BH Rate 63 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,568,660 scf/Avg N2 Rate 31,528 scfm/ Total 20/40 254,800 lbs/ Total 16# Water Frac 1206 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 8,376', Perforate stage # 14 of 29, 8,182' to 8,366', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 14 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,522,862 scf/Avg N2 Rate 31,175 scfm/ Total 20/40 252,400 lbs/ Total 16# Water Frac 1312 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 8,176', Perforate stage # 15 of 29, 7,984' to 8,166', 36 holes, POOH with wireline, all shots fired.

#### 08/31/17:

- Press test frac lines to 9,500 psi.
- Frac Stage # 15 of 29, Avg BH Rate 57.7 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,493,774 scf/Avg N2 Rate 29,833 scfm/ Total 20/40 250,200 lbs/ Total 13# Water Frac 1,142 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 7,980', Perforate stage # 16 of 29, 7,786' to 7,971', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 16 of 29, Avg BH Rate 57.4 Bpm/Avg Slurry Rate 23 Bpm/Avg N2 Quality 70%/ Total N2 1,665,248 scf/Avg N2 Rate 29,941scfm/ Total 20/40 249,600 lbs/ Total 16# Water Frac 1,456 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 7,784', Perforate stage # 17 of 29, 7,588' to 7,785', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.

- While on 2 ppg sand pressure begin to increase from 5,200 psi up to 7,500 psi check viscosity and come to find out we have lost all gel quickly cut sand and flush well successfully, come to find out operator gel up the unit and wasn't mixing any gel, fix issue and got back on stage to placed remaining sand.
- Frac Stage # 17 of 29, Avg BH Rate 58 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 2,092,006 scf/Avg N2 Rate 29,526 scfm/ Total 20/40 254,100 lbs/ Total 16# Water Frac 1314 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 7,584', Perforate stage # 18 of 29, 7,390' to 7,574', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 18 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,516,457 scf/Avg N2 Rate 30,042 scfm/ Total 20/40 252,800 lbs/ Total 14# Water Frac 1,268 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 7,386', Perforate stage # 19 of 29, 7,192' to 7,376', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 19 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,453,368 scf/Avg N2 Rate 30,056 scfm/ Total 20/40 251,300 lbs/ Total 14# Water Frac 1,232 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 7,188', Perforate stage # 20 of 29, 6,994' to 7,178', 36 holes, POOH with wireline, all shots fired.

#### 09/01/17:

- Press test frac lines to 9,500 psi.
- Frac Stage # 20 of 29, Avg BH Rate 57.7 Bpm/Avg Slurry Rate 25 Bpm/Avg N2 Quality 69%/ Total N2 1,520,994 scf/Avg N2 Rate 29,955 scfm/ Total 20/40 249,000 lbs/ Total 14# Water Frac 1,130 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 6,990', Perforate stage # 21 of 29, 6,796' to 6,981', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 21 of 29, Avg BH Rate 58.1 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 69%/ Total N2 1,461,948 scf/Avg N2 Rate 29,977 scfm/ Total 20/40 250,300 lbs/ Total 12# Water Frac 1,228 bbls.
- Pressure Test Lubricator to 2,500 psi.
- RIH with wireline, set CFP at 6,790', Perforate stage # 22 of 29, 6,598' to 6,780', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 22 of 29, Avg BH Rate 57.3 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 68%/ Total N2 1,435,857 scf/Avg N2 Rate 29,562 scfm/ Total 20/40 250,900 lbs/ Total 10# Water Frac 1,217 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,594', Perforate stage # 23 of 29, 6,400' to 6,584', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.



- Frac Stage # 23 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,559,749 scf/Avg N2 Rate 30,720 scfm/ Total 20/40 263,400 lbs/ Total 12# Water Frac 1221 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,396', Perforate stage # 24 of 29, 6,202' to 6,386', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 24 of 29, Avg BH Rate 62 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,588,659 scf/Avg N2 Rate 31,202 scfm/ Total 20/40 250,522 lbs/ Total 12# Water Frac 1195 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,198', Perforate stage # 25 of 29, 6,004' to 6,188', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 25 of 29, Avg BH Rate 62 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,603,755 scf/Avg N2 Rate 31,317 scfm/ Total 20/40 251,490 lbs/ Total 12# Water Frac 1100 bbls.
- Pressure Test Lubricator to 3,500 psi.
- Miss run on WL stage #26 @ report time.

**09/02/17:**

- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 6,000', Perforate stage # 26 of 29, 5,806' to 5,991', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 26 of 29, Avg BH Rate 59.7 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 69%/ Total N2 1,549,120 scf/Avg N2 Rate 29,933 scfm/ Total 20/40 249,000 lbs/ Total 10# Water Frac 1,223 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 5,802', Perforate stage # 27 of 29, 5,608' to 5,793', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 27 of 29, Avg BH Rate 57.9 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 69%/ Total N2 1,477,595 scf/Avg N2 Rate 29,958 scfm/ Total 20/40 251,000 lbs/ Total 10# Water Frac 1,121 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 5,604', Perforate stage # 28 of 29, 5,412' to 5,594', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.
- Frac Stage # 28 of 29, Avg BH Rate 58.9 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 56%/ Total N2 1,549,463 scf/Avg N2 Rate 31,051 scfm/ Total 20/40 250,200 lbs/ Total 10# Water Frac 1.104 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH with wireline, set CFP at 5,406', Perforate stage # 29 of 29, 5,212' to 5,396', 36 holes, POOH with wireline, all shots fired.
- Press test frac lines to 9,500 psi.

- Frac Stage # 29 of 29, Avg BH Rate 61 Bpm/Avg Slurry Rate 24 Bpm/Avg N2 Quality 70%/ Total N2 1,615,957 scf/Avg N2 Rate 31,278 scfm/ Total 20/40 250,921 lbs/ Total 12# Water Frac 1100 bbls.
- Pressure Test Lubricator to 3,500 psi.
- RIH With Kill Plug Set it @ 5,160' WLM, pressure before set plug 740 psi,,open well to OT with no returns and 0 psi.
- Begin RD all frac associated equipment @ report time.
- Prepare location for drillouts.