4								
Form 3160-5 June 2015) DE	UNITED STATES DEPARTMENT OF THE INTERIOR			FORM APPROVED OMB No. 1004-0137 Expires: January 31, 2018				
BUR	BUREAU OF LAND MANAGEMENT 5. Lease Serial No. SUNDRY NOTICES AND REPORTS ON WELLS 6. If Indian, Allotte							
•••••••					6. If Indian, Allottee or	Fribe Name		
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.				N/A				
SUBMIT IN TRIPLICATE - Other instructions on page 2					7. If Unit of CA/Agreement, Name and/or No.			
1. Type of Well					NMNM 132981A			
✓ Oil Well Gas	Well Other				8. Well Name and No. Nageezi Unit 406H			
2. Name of Operator Encana Oil & Gas (USA) Inc.					9. API Well No. 30-045-35842			
3a. Address	3	b. Phone No.	(include area cod	2)	10. Field and Pool or Exploratory Area			
370 17th Street, Suite 1700 Denver, CO 80202		720) 876-353	33		Nageezi Unit; Mancos (Oil)			
 Location of Well (Footage, Sec., T., SHL: 2000' FSL and 1725' FWL Section 03 BHL: 2449' FSL and 339' FEL Section 10, T 	T23N, R9W			1				
12. CH	ECK THE APPROPRIATE BO	X(ES) TO INI	DICATE NATURI	E OF NO	TICE, REPORT OR OTHE	ER DATA		
TYPE OF SUBMISSION			ТҮ	PE OF A	CTION			
Notice of Intent	Acidize	Deep	en	Pro	oduction (Start/Resume)	Water Shut-Off		
	Alter Casing		aulic Fracturing	Re	clamation	Well Integrity		
Subsequent Report	Casing Repair		Construction		complete	Other Information		
Final Abandonment Notice	Change Plans	Plug Plug	and Abandon Back		mporarily Abandon ater Disposal			
completion of the involved operat	ions. If the operation results in a otices must be filed only after a performed completion operation	a multiple com Il requirement tions from 08 vith the revise	npletion or recomp s, including reclar 3/18/2017 to 09/ ed attached upda	bletion in nation, h 1/2017, ated ope	a new interval, a Form 316 ave been completed and the which are detailed on th rations report to show ac			
		ACC	CEPTED FOR	RECOR	1D			
	OIL COND. DIV DIS	13	\sim	017		RECEIVED		
	DEC 08 2017	PAR	MINGICKA	D OFFIC	E	DEC 0 4 2017		
						Farmington Field Office Bureau of Land Manageme		
14. I hereby certify that the foregoing Jevin Croteau	is true and correct. Name (Prin	ted/Typed)	Title Senior Re	gulatory	Analyst			
Signature			Date		11/29/201	17		
J	THE SPACE	FOR FED	ERAL OR S		FICE USE			
Approved by								
			Title		Da	ate		
Conditions of approval, if any, are atta certify that the applicant holds legal o which would entitle the applicant to co	r equitable title to those rights in							

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 Erac 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 dwn, 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 dwn 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 dwn to 5,429'.
- POOH with tbg laying dwn to 4254' vertical depth and pump 100 bbls of 10# brine to kill well, well on vacuum 0 psi.
- Continue laying dwn tbg, laid dwn bit sub & mill.
- Start changing handling tools over for 4 1/2" csg.

09/11/17:

- POOH laying dwn 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 dwn csg @ 1,000 scfm, well kicked off, shut off N2, continue flowing well.

1				unded
, ,		RECEIVED		uncec
Form 3160-5 (June 2013), DEI	UNITED STATES PARTMENT OF THE INTERIOR	MAY 0.9 2017	ON	RM APPROVED 1B No. 1004-0137 es: January 31, 2018
	EAU OF LAND MANAGEMENT	Formington Field Off	5. Lease Serial No. NMNM 8005	
SUNDRY N	OTICES AND REPORTS ON W	Eatry of Land Manage	6. If Indian, Allottee or	Tribe Name
	form for proposals to drill or to Use Form 3160-3 (APD) for suc		N/A	
SUBMIT IN	TRIPLICATE - Other instructions on pag	e 2	7. If Unit of CA/Agreen	nent, Name and/or No.
1. Type of Well			NMNM 132981A	
✓ Oil Well Gas V	Vell Other		8. Well Name and No. Nageezi Unit 406H	
 Name of Operator Encana Oil & Gas (USA) Inc. 			9. API Well No. 30-045-35842	
3a. Address 370 17th Street, Suite 1700		(include area code)	10. Field and Pool or Ex	
Denver, CO 80202 4. Location of Well (Footage, Sec., T., I	(720) 876-35	33	Nageezi Unit; Mancos 11. Country or Parish, S	
SHL: 2000' FSL and 1725' FWL Section 03, BHL: 2449' FSL and 339' FEL Section 10, T2	T23N, R9W		San Juan County, NM	
12. CHE	CK THE APPROPRIATE BOX(ES) TO INI	DICATE NATURE OF NOTI	CE, REPORT OR OTHE	ER DATA
TYPE OF SUBMISSION		TYPE OF AC	TION	
Notice of Intent	Acidize Deep		uction (Start/Resume) amation	Water Shut-Off
Subsequent Report			omplete	Other Completions
Final Abandonment Notice	Change Plans Plug		porarily Abandon er Disposal	
	Deration: Clearly state all pertinent details, i			and approximate duration thereof. If
the proposal is to deepen directions the Bond under which the work wi completion of the involved operati	ally or recomplete horizontally, give subsurfa II be perfonned or provide the Bond No. on f ons. If the operation results in a multiple con tices must be filed only after all requirement	ce locations and measured an ile with BLM/BIA. Required upletion or recompletion in a	nd true vertical depths of subsequent reports must new interval, a Form 316	all pertinent markers and zones. Attach be filed within 30 days following 0-4 must be filed once testing has been
Encana Oil & Gas (USA) Inc.	performed completion operations from 08	/19/2017 to 09/02/2017, w	hich are detailed on th	e attachment enclosed.
Please note that this Sundry N performed.	lotice is being resubmitted with the attact	ned updated operations re	port to show an addition	nal casing pressure test that was
			ACCEPTEDFOR	RECORD
	OIL CONS. DIV DIST. 3		NOV 21	27
	NOV 27 2017		FASSAIN GTO	OFFICE
	NOVE		U	
14.1 hereby certify that the foregoing is	s true and correct. Name (Printed/Typed)			
Jevin Croteau		Title Senior Regulatory A	nalyst	
Signature		Date	11/08/201	17
i/	THE SPACE FOR FED	ERAL OR STATE OF	ICE USE	
Approved by				
		Title	Da	ate
Conditions of approval, if any, are attac certify that the applicant holds legal or which would entitle the applicant to co	ched. Approval of this notice does not warran equitable title to those rights in the subject le induct operations thereon.	t or ase Office		
	13 U.S.C Section 1212, make it a crime for an ients or representations as to any matter with		Ifully to make to any depa	artment or agency of the United States

(Instructions on page 2)

P 7

NMOCD

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 $4 \frac{1}{2}$ 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.

orm 3160-5	NITED STATES			1		RM APPR		PA
(June 2013), DEPARTMENT OF THE INTERIOR					OMB No. 1004-0137 Expires: January 31, 2018			
BUREAU (OF LAND MANAGEM	ENT		1.	5. Lease Serial No. NMNM 8005		our ann	OCT 26 TU
	ES AND REPORTS (6. If Indian, Allottee or	Tribe Nam	e Or O	5. 2
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.				N/A BIO				
SUBMIT IN TRIPLI	CATE - Other instructions o	on page 2			7. If Unit of CA/Agreer	nent, Name	e and/or No.	Surger Control
. Type of Well				L	NMNM 132981A 8. Well Name and No.			-000
Oil Well Gas Well Other				Nageezi Unit 406H 9. API Well No.				
Encana Oil & Gas (USA) Inc.					30-045-35842	1	A	
3a. Address 3b. Phone No. (inclusion) 370 17th Street, Suite 1700 (720) 876-3533			rea code)		 Field and Pool or E Nageezi Unit; Manco 	1	Area	
	Denver, CO 80202 (720) 876-3533 Location of Well (Footage, Sec., T.R.,M., or Survey Description)				11. Country or Parish, S			
SHL: 2000' FSL and 1725' FWL Section 03, T23N, R9 BHL: 2449' FSL and 339' FEL Section 10, T23N, R9W	e vv				San Juan County, N	N		
12. CHECK TH	E APPROPRIATE BOX(ES)	ΓΟ INDICATE N	ATURE C	OF NOTIC	CE, REPORT OR OTH	ER DATA		
TYPE OF SUBMISSION			TYPE	E OF ACT	TION			
Notice of Intent	Acidize	Deepen	[iction (Start/Resume)		er Shut-Off	
	Alter Casing] Hydraulic Fract] New Constructi		_	mation	↓ Well	Integrity Complet:	ions
Subsequent Report	Change Plans	Plug and Aband			orarily Abandon	V Our	Informat	tion
Final Abandonment Notice	Convert to Injection	Plug Back			Disposal			
the proposal is to deepen directionally or ru the Bond under which the work will be per completion of the involved operations. If the completed, Final Abandonment Notices mains is ready for final inspection.)	ecomplete horizontally, give su rfonned or provide the Bond N he operation results in a multip ust be filed only after all requi	ubsurface location lo. on file with B1 ole completion or rements, includin	ns and mea LM/BIA. F recomplet ng reclamat	asured and Required s ation in a n tion, have	d true vertical depths of subsequent reports mus new interval, a Form 31 been completed and th	f all pertine t be filed w 60-4 must b e operator l	nt markers and ithin 30 days f be filed once to has detennined	l zones. Attach ollowing esting has been I that the site
the proposal is to deepen directionally or ro the Bond under which the work will be per completion of the involved operations. If the completed, Final Abandonment Notices mains is ready for final inspection.) Encana Oil & Gas (USA) Inc. perform	ecomplete horizontally, give su rfonned or provide the Bond N he operation results in a multip ust be filed only after all requi ned completion operations fr	ubsurface location lo. on file with B1 ole completion or rements, includin rom 08/19/2017	ns and mea LM/BIA. F recomplet ng reclamat	asured and Required s ation in a n ation, have /2017, wh	d true vertical depths of subsequent reports mus new interval, a Form 31 been completed and th nich are detailed on th	f all pertine t be filed w 60-4 must b e operator l ne attachm	nt markers and ithin 30 days f be filed once to has detennined	l zones. Attach ollowing esting has been I that the site
the proposal is to deepen directionally or ro the Bond under which the work will be per completion of the involved operations. If the completed, Final Abandonment Notices mains is ready for final inspection.) Encana Oil & Gas (USA) Inc. perform	ecomplete horizontally, give su rfonned or provide the Bond N he operation results in a multip ust be filed only after all requi ned completion operations fr OIL CONS. DIV DIS	ubsurface location lo. on file with B1 ole completion or rements, includin rom 08/19/2017	ns and mea LM/BIA. F recomplet ng reclamat	asured and Required s ation in a n ation, have /2017, wh	d true vertical depths of subsequent reports mus new interval, a Form 31 been completed and th	f all pertine t be filed w 60-4 must b e operator l ne attachm	nt markers and ithin 30 days f be filed once to has detennined	l zones. Attach ollowing esting has been I that the site
the proposal is to deepen directionally or ro the Bond under which the work will be per completion of the involved operations. If the completed, Final Abandonment Notices mains is ready for final inspection.) Encana Oil & Gas (USA) Inc. perform	ecomplete horizontally, give su rfonned or provide the Bond N he operation results in a multip ust be filed only after all requi ned completion operations fr	ubsurface location lo. on file with B1 ole completion or rements, includin rom 08/19/2017	ns and mea LM/BIA. F recomplet ng reclamat	asured and Required s ation in a n ation, have /2017, wh	d true vertical depths of subsequent reports mus new interval, a Form 31 been completed and th nich are detailed on th	f all pertine t be filed w 60-4 must b e operator l ne attachm	nt markers and ithin 30 days f be filed once to has detennined	l zones. Attach ollowing esting has been I that the site
the Bond under which the work will be per completion of the involved operations. If the completed, Final Abandonment Notices mains ready for final inspection.) Encana Oil & Gas (USA) Inc. perform	ecomplete horizontally, give su rfonned or provide the Bond N he operation results in a multip ust be filed only after all requi ned completion operations fr OIL CONS. DIV DIS NOV 0 2 2017	ubsurface location lo. on file with BI ole completion or rements, includin rom 08/19/2017	ns and mea LM/BIA. F recomplet ng reclamat	asured and Required s tion in a n tion, have /2017, wh AC	d true vertical depths of subsequent reports mus new interval, a Form 31 been completed and the nich are detailed on the CEPTED FOR REA OCT 3 0 2017	f all pertine t be filed w 60-4 must b e operator l ne attachm	nt markers and ithin 30 days f be filed once to has detennined	l zones. Attach ollowing esting has been I that the site
the proposal is to deepen directionally or ro the Bond under which the work will be per completion of the involved operations. If the completed. Final Abandonment Notices mains is ready for final inspection.) Encana Oil & Gas (USA) Inc. perform	ecomplete horizontally, give su rfonned or provide the Bond N he operation results in a multip ust be filed only after all requi ned completion operations fr OIL CONS. DIV DIS NOV 0 2 2017	ubsurface location lo. on file with BI ole completion or rements, includin rom 08/19/2017	ns and mea LM/BIA. F recomplet g reclamat to 09/02/	asured and Required s tion in a n tion, have /2017, wh AC	d true vertical depths of subsequent reports mus new interval, a Form 31 been completed and the nich are detailed on the CEPTED FOR REA OCT 3 0 2017	Fall pertined t be filed w 60-4 must b e operator l ne attachm CORD	nt markers and ithin 30 days f be filed once to has detennined	l zones. Attach ollowing esting has been I that the site
 the proposal is to deepen directionally or rather Bond under which the work will be percompletion of the involved operations. If the completed. Final Abandonment Notices miss ready for final inspection.) Encana Oil & Gas (USA) Inc. perform 4. Thereby certify that the foregoing is true and Jevin Croteau 	ecomplete horizontally, give su rfonned or provide the Bond N he operation results in a multip ust be filed only after all requi ned completion operations fr OIL CONS. DIV DIS NOV 0 2 2017	ubsurface location lo. on file with B1 ple completion or rements, includin rom 08/19/2017 <i>T. 3</i> <i>T. 3</i> <i>red)</i> Title Set Date	ns and mea LM/BIA. F recomplet g reclamat to 09/02/	asured and Required s tion in a n tion, have /2017, wh AC FAR BY S	d true vertical depths of subsequent reports mus new interval, a Form 31 been completed and the nich are detailed on the CEPTED FOR REG OCT 3 0 2017 MINGTON/100 malyst	Fall pertined t be filed w 60-4 must b e operator l ne attachm CORD	nt markers and ithin 30 days f be filed once to has detennined	l zones. Attach ollowing esting has been I that the site
 the proposal is to deepen directionally or rather Bond under which the work will be percompletion of the involved operations. If the completed. Final Abandonment Notices mains ready for final inspection.) Encana Oil & Gas (USA) Inc. perform 4. I hereby certify that the foregoing is true ar Jevin Croteau 	ecomplete horizontally, give su rfonned or provide the Bond N he operation results in a multipust ust be filed only after all requi ned completion operations fr OIL CONS. DIV DIS NOV 0 2 2017 nd correct. Name (<i>Printed/Typ</i>)	ubsurface location lo. on file with B1 ple completion or rements, includin rom 08/19/2017 <i>T. 3</i> <i>T. 3</i> <i>red)</i> Title Set Date	ns and mea LM/BIA. F recomplet g reclamat to 09/02/	asured and Required s tion in a m tion, have /2017, wh AC FAR BY S	d true vertical depths of subsequent reports mus new interval, a Form 31 been completed and the nich are detailed on the CEPTED FOR REG OCT 3 0 2017 MINGTON/100 malyst	Fall pertined t be filed w 60-4 must b e operator l ne attachm CORD	nt markers and ithin 30 days f be filed once to has detennined	l zones. Attach ollowing esting has been I that the site
the proposal is to deepen directionally or ro the Bond under which the work will be per completion of the involved operations. If the completed, Final Abandonment Notices mains is ready for final inspection.) Encana Oil & Gas (USA) Inc. perform	ecomplete horizontally, give su rfonned or provide the Bond N he operation results in a multipust ust be filed only after all requi ned completion operations fr OIL CONS. DIV DIS NOV 0 2 2017 nd correct. Name (<i>Printed/Typ</i>)	ubsurface location lo. on file with B1 ple completion or rements, includin rom 08/19/2017 <i>T. 3</i> <i>T. 3</i> <i>red)</i> Title Set Date	ns and mea LM/BIA. F recomplet ng reclamat to 09/02/	asured and Required s tion in a m tion, have /2017, wh AC FAR BY S	d true vertical depths of subsequent reports mus new interval, a Form 31 been completed and the nich are detailed on the CEPTED FOR REG OCT 3 0 201 MINGTON (100) MINGTON (100) MING	Fall pertined t be filed w 60-4 must b e operator l ne attachm CORD	nt markers and ithin 30 days f be filed once to has detennined	l zones. Attach ollowing esting has been I that the site

(Instructions on page 2)



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 1/2" 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.

		1	RECEIV	ED			
DIII	UNITED STATE PARTMENT OF THE I Reau of Land Man	NTERIOR	OCT 02		OM Expire 5. Lease Serial No	RM APPROVED IB No. 1004-0137 es: January 31, 2018	
Do not use this	NOTICES AND REPO form for proposals to Use Form 3160-3 (A	o arm or to re	e-enter an		NMNM 8005 6rif Indian, Allottee or N/A	Tribe Name	
SUBMIT IN	ITRIPLICATE - Other instru	uctions on page 2	5		7. If Unit of CA/Agreen	nent, Name and/or No.	
	Well Other				NMNM 132981A 8. Well Name and No. Nageezi Unit 406H		
2. Name of Operator Encana Oil & Gas (USA) Inc.					9. API Well No. 30-045-35842		
3a. Address 370 17th Street, Suite 1700 Denver, CO 80202	a. Address 3b. Phone No. (include area code) 370 17th Street, Suite 1700 (720) 876-3533				10. Field and Pool or Ex Nageezi Unit; Mancos		
4. Location of Well (Footage, Sec., T. SHL: 2000' FSL and 1725' FWL Section 03 BHL: 2449' FSL and 339' FWL Section 10.	, T23N, R9W				11. Country or Parish, S San Juan County, NM		
	ECK THE APPROPRIATE B	OX(ES) TO INDIC	ATE NATURI	E OF NOTI	CE REPORT OR OTHE	TR DATA	
TYPE OF SUBMISSION				PE OF ACT			
Notice of Intent	Acidize	Deepen Hydrauli	P		uction (Start/Resume)	Water Shut-Off	
Subsequent Report	Casing Repair		nstruction Abandon		mplete porarily Abandon	Other Completions Information	
Final Abandonment Notice	Convert to Injection	Plug Bad	ck	Wate	r Disposal		
is ready for final inspection.) Encana Oil & Gas (USA) Inc.	performed completion oper OIL CONS. DIV OCT 1 0 2		/2017 to 09/(hich are detailed on the		
	OCTIDO	017			007 05 0017		
	2	0]7	r.	FAI BY	OCT 05 2017		
4. I hereby certify that the foregoing is true and correct. Name (<i>Printed/Typed</i>) Jevin Croteau			Title Senior Regulatory Analyst				
Signature	4	Da	Date		09/29/2017		
Ű	THE SPACE	FOR FEDER	AL OR ST	ATE OF	ICE USE		
Approved by			Title		Da	te	
Conditions of approval, if any, are att certify that the applicant holds legal of which would entitle the applicant to c	r equitable title to those rights		Office				
Title 18 U.S.C Section 1001 and Title any false, fictitious or fraudulent state	43 U.S.C Section 1212, make ments or representations as to	it a crime for any p any matter within it	erson knowing s jurisdiction.	gly and will	fully to make to any depa	artment or agency of the United States	
(Instructions on page 2)							



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 = 11045
- 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.