Form 3160-4 4 (March 2012)

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UNITED STATES
DEPARTMENT OF THE INTERIOR
MAY 3 0 2017

amended

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

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND GREET Office Bureau of Land Management										5. Lease Serial No. NMNM 6682								
la. Type of Well  b. Type of Completion:    Oil Well										6. If	6. If Indian, Allottee or Tribe Name N/A							
Other:											7. U	7. Unit or CA Agreement Name and No. NMNM 135229X						
2. Name of Operator Encana Oil & Gas (USA) Inc.									8. L	8. Lease Name and Well No. North Alamito Unit 307H								
3. Address 370 17th Street, Suite 1700, Denver CO 80202 3a. Phone No. (include area code)										9. A	9. API Well No. 30-043-21297							
4. Location of Well (Report location clearly and in accordance with Federal requirements)*											d Pool or Ex	kplora	tory					
1434' FSL, 766' FWL, Section 34, T23N R7W										Alaı	mito Ma	ancos N (C	ÓIL)					
At surface 2065' FSL, 355' FWL Section 34, T23N R7W									111.	Sec., T., Survey o	R., M., on lor Area Unit	Block L, Sec	and tion 34, T23N R7W					
At top prod. interval reported below										12.	County	or Parish		13. State				
At total depth 836' FSL, 941' FWL Section 28 T23N R7W										San	doval (	County		NM				
14. Date Spi	idded		15	Date T	D. Reached				ate Comp						17. Elevations (DF, RKB, RT, GL)*			
02/24/2017 18. Total De		12 20		3/27/20		g Back T.D.:	МГ	12,267	D&A			to Prod	ridge Plu		6895' GL Set: MD 5.372'			
	TVI	5,133	3'					D 5.135'							TVD 5	,152'		
21. Type El	ectric & Othe	er Mecha	nical L	ogs Run	(Submit cop	y of each)						Was well Was DS	l cored?			Yes (Submi		,
N/A	1 Y : D	1 0	2	11									nal Surve			Yes (Subm		
23. Casing Hole Size	Size/Gra		vt. (#/ft.		op (MD)		Roffom (MI)		menter th		No. of Sks. &		Slurry Vol. (BBL)		Cement Top*			Amount Pulled
12.25"	9.625"/H	40 3	2.3#	Surfa	ace	340'	V 000000			185 Class \			40		Surface		N/A	
8.75"	7"/J55		6#	Surfa	ace	5,323'		N/A		695 Ext Class G		ass G	241		Surface		N/A	
8.75"	7"/J55		6#	Surfa		5,323'		N/A		250 E	xt Cla	ass G	58		Surface		N/A	
6.125"	4.5"/P11	0 1	1.6#	5,10	6'	12,270' N/A			675 C	lass (	G	152		5,106'		N/A		
		_																
24. Tubing	Record				Will be	provided o	n s	uhsenue	ent sun	dry	_							
Size		et (MD)	Pa	cker Dept		Size		Depth Set		Packer	Depth	(MD)	Siz	ze	Dept	h Set (MD)	-	Packer Depth (MD)
25. Producii	ng Intervals							26. Peri	foration I	Record								
A\ 0 "	Formation	1			ор	Bottom			erforated Interval				Size		No. Holes		Per	f. Status
A) Gallup B)				5,135'	IVD	5,152' TVD	$\dashv$	5,395' to	12,244	TMD		0.34		690		Open		
C)			-				$\dashv$					-			CCFF	TED FO	PRF	CORD
D)							$\dashv$					_		-	TOOL	ILDIO	NIL	CORD
27. Acid, Fr	racture, Trea	itment, C	ement	Squeeze,	etc.										М	VA 3 U	201	7
	Depth Interv			_						mount	and Ty	pe of N	Material		1-1	M J II	7	
5,135' to 5,152' TVD See sundry date 5,395' to 12,244' TMD See sundry date														BY:	IGTON FI	100	FFICE	
5,395 10 1	2,244 1101	<u> </u>	_	See sui	idry dated	103/11/2017	101	detalled li	normau	ION					01.5	1	1	A STATE OF THE PARTY OF THE PAR
		Г	- du	otion	detaile	a will be a	-	v idad	on In	itial	241	laur	Tool	Cupa	Jun 4	1		
28. Product	_		-		_	will be			_		_					9		
Date First Produced	Test Date	Hours Tested	Tes Pro		Oil BBL	Gas MCF	Wa BB		Oil Grav Corr. AF		Ga Ga	as ravity	Proc	duction M	lethod			
			_	-														
	-	Csg. Press.	24 I Rate		Oil BBL	Gas MCF	Wa BB		Gas/Oil Ratio		W	ell Stati	us					
	SI		_	<b>→</b>														
28a. Produc																		
Date First Produced	The second secon	Hours Tested	Tes		Oil BBL	Gas MCF	Wa BB		Oil Grav Corr. AP		Ga	as	Proc	luction M	lethod			
			_	<b>→</b>														
Choke	Tbg. Press.		24 I		Oil BBL	Gas MCF	Wa		Gas/Oil		W	ell Stati	ıs					
Size	Flwg. SI	Press.	Rate		DDL	IVICE	BB	L	Ratio									
															00	LCONS	DI	V.DIST. 3

\*(See instructions and spaces for additional data on page 2)

NMOCD~

MAY 3 0 2017

4													
28b. Production - Interval C													
Date First Produced	Test Date			Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method				
		Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status							
	iction - Inter						Tana .		<b>L</b>				
Date First Produced				Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status					
29. Disposition of Gas (Solid, used for fuel, vented, etc.) Used for fuel, vented and flared.													
30. Summary of Porous Zones (Include Aquifers):  31. Formation (Log) Markers													
Show a includi	30. Summary of Porous Zones (Include Aquifers):  Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.  31. Formation (Log) Markers  Ojo Alamo 972, Kirtland Shale 1157, Fruitland Coal 1377, Pictured Cliffs 1499, Lewis Shale 1622, Cliffhouse 2319, Menefee 3033, Point Lookout 3881 Mancos Shale 4088, Mancos Silt 4624, Gallup 4,884												
			T							Тор			
For	mation	Тор	Bottom		Descri	ptions, Conter	nts, etc.		Name	Meas. Depth			
San Jose Naciemento Fn Surface 972				Water, 0				San Jose Naciemento F	in	Surface			
		1167 1377	Water, 0				Ojo Alamo Kirtland Shale		972 1157				
Fruitland Coal 1377 1499 1622			Water, 0				Fruitland Coa Pictured Cliffs		1377 1499				
Lewis Shale         1622         2319           Cliffhouse Ss         2319         3033			Water, 0 Water, 0				Lewis Shale Cliffhouse Ss		1622 2319				
	enefee Fn 3033 3881 Water, Gas jint Lookout Ss 4088 Water, Gas						Menefee Fn Point Lookout		3033 3881				
Mancos Sh Mancos Sil							Mancos Shale Mancos Silt	•	4088 4624				
Gallup         4884         5230         Oil, Gas         Gallup         4884           Base Gallup         5230         Oil, Gas         Base Gallup         5230													
32. Addi	tional remar	ks (include	plugging pro	cedure):									
Encana will provide Tubing Record and production details on Initial 24 Hour Test Sundry on subsequent sundries.													
33. Indicate which items have been attached by placing a check in the appropriate boxes:													
□ Fle	☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey												
Sundry Notice for plugging and cement verification Core Analysis Tother: As-Drilled NMOCD Form C-102													
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*													
Name (please print) Steven Merrell Title Field Operations Specialist													
	Signature Struct Date 05/26/2017												
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.													

(Continued on page 3) (Form 3160-4, page 2)

## Form 3160-4 (March 2012)

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## UNITED STATES DEPARTMENT OF THE INTERIOR RUBEAU OF LAND MANAGEMENT

MAY 16 2017

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

BUREAU OF LAND MANAGEMENT Expires: October 31, 2014 WELL COMPLETION OR RECOMPLETION REPORT AND LOG ield Office 5. Lease Serial No. **NMNM 6682** Bureau of Land Management ✓ Oil Well Other If Indian, Allottee or Tribe Name la. Type of Well Gas Well Dry ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., b. Type of Completion: ✓ New Well 7. Unit or CA Agreement Name and No. NMNM 135229X 8. Lease Name and Well No. Name of Operator Encana Oil & Gas (USA) Inc. North Alamito Unit 307H 9. API Well No. 3a. Phone No. (include area code) 3 Address 370 17th Street, Suite 1700, Denver CO 80202 720-876-5331 30-043-21297 10. Field and Pool or Exploratory 4. Location of Well (Report location clearly and in accordance with Federal requirements)\* OIL CONS. DIV DIST. 3 Alamito Mancos N (OIL) 1434' FSL, 766' FWL, Section 34, T23N R7W 11. Sec., T., R., M., on Block and Survey or Area Unit L, Section 34, T23N R7W MAY 18 2017 2065' FSL, 355' FWL Section 34, T23N R7W 12. County or Parish 13. State At top prod. interval reported below 836' FSL, 941' FWL Section 28 T23N R7W NM Sandoval County At total depth 14. Date Spudded 15. Date T.D. Reached 16. Date Completed 17. Elevations (DF, RKB, RT, GL)\* 02/24/2017 03/27/2017 6895' GL 18. Total Depth 19. Plug Back T.D. 12,267' Float Collar 20. Depth Bridge Plug Set: MD 5,372 MD 12,291 TVD 5,133' TVD 5,152'

✓ No ☐ Yes (Submit analysis) TVD 5,135' Float Collar Was well cored? Type Electric & Other Mechanical Logs Run (Submit copy of each) Was DST run? ✓ No Yes (Submit report) N/A Directional Survey? Yes (Submit copy) □ No 23. Casing and Liner Record (Report all strings set in well) No. of Sks. & Slurry Vol. Stage Cementer Hole Size Size/Grade Wt. (#/ft.) Top (MD) Bottom (MD) Cement Top\* Amount Pulled (BBL) Depth Type of Cement 12.25 9.625"/H40 32.3# Surface 340' N/A 185 Class V 40 Surface N/A Surface N/A N/A 8.75" 7"/J55 26# 5 323 695 Ext Class G 241 Surface 7"/J55 26# Surface 5,323 N/A 250 Ext Class G 58 Surface N/A 8.75" 6.125" 4.5"/P110 11.6# 5 323' 12,270' N/A 675 Class G 152 5.106' N/A Tubing Record Will be provided on subsequent sundry Depth Set (MD) Depth Set (MD) Packer Depth (MD) Depth Set (MD) Packer Depth (MD) Packer Depth (MD) Size Size Size 25. Producing Intervals Perforation Record No Holes Perf Status Formation Top Bottom Perforated Interval Size A) Gallup 5.135' TVD 5.152' TVD 690 5,395' to 12,244' TMD 0.34" Open B) (C) ACCEPTED FOR RECORD Di 27. Acid, Fracture, Treatment, Cement Squeeze, etc. Depth Interval Amount and Type of Material 5,135' to 5,152' TVD See sundry dated 05/11/2017 for detailed information 5,395' to 12,244' TMD See sundry dated 05/11/2017 for detailed information ARMING Production details will be provided on Initial 24 Hour Test Sundry 28. Production - Interval A Date First Test Date Hours Water Dil Gravity Production Method Test Gas ias BBI BRI Produced Tested Production MCF Corr. API Gravity Tbg. Press. Csg. Choke 24 Hr Oil Water Gas/Oil Well Status Gas BBL MCF BRI Size Flwg. Press. Rate Ratio SI 28a. Production - Interval B Oil Gravity Date First Test Date Hours Test Oil Gas Water Gas Production Method Produced BBL MCF BBL Corr. API Tested Production Gravity Choke Tbg. Press. Csg. 24 Hr Oil Gas Water Gas/Oil Well Status

Rate

Press

Size

Flwg.

BBL

MCF

BBL

Ratio

<sup>\*(</sup>See instructions and spaces for additional data on page 2)

	uction - Inte		Fr	lo:1	Ic.	hv	0:10:	Con	D. J. G. Maked					
Date First Produced	Test Date -	Tested	Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status						
	uction - Inte	7												
Date First Produced	Test Date	Hours Tested	Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	Status					
	sition of Gas el, vented and		sed for fuel, ve	nted, etc.)										
3() Sumn	nary of Poro	us Zones	(Include Aqui	fers):				31 Format	ion (Log) Markers					
Show a	all importanting depth int	t zones of p	porosity and co	ontents thei		ntervals and al ng and shut-in	l drill-stem tests, pressures and	Ojo Alamo Pictured ( Menefee	o 972, Kirtland Shale 1157, F Cliffs 1499, Lewis Shale 1622 3033, Point Lookout 3881 Ma Silt 4624, Gallup 4,884	, Cliffhouse 2319,				
						400				Top				
Formation		Тор	Bottom		Desc	criptions, Conto	ents, etc.		Name	Meas. Depth				
San Jose Naciemento	San Jose Naciemento Fn Surface Surface 972 Wate							San Jose Naciemento	Fn	Surface				
Ojo Alamo         972         1167           Kirtland Shale         1157         1377			Water, C Water, C				Ojo Alamo Kirtland Shal	е	972 1157					
			1499 1622	Water, C				Fruitland Coa Pictured Cliff		1377 1499				
	Lewis Shale 1622 2319 Water, Gar Cliffhouse Ss 2319 3033 Water, Gar			ater, Gas				5	1622 2319					
Menefee Fi Point Look	efee Fn         3033         3881         Water, Gas           it Lookout Ss         3881         4088         Water, Gas						Menefee Fn Point Lookou	it Ss	3033 3881					
Mancos Sh Mancos Silt		4088 4624 Oil, Gas 4624 4884 Oil, Gas					Mancos Shall Mancos Silt	e	4088 4624					
	Gallup         4884         5230         Oil, Gas           Base Gallup         5230         Oil, Gas						Gallup Base Gallup		4884 5230					
32. Addit	ional remark	cs (include	plugging pro-	cedure):										
Encana	will provide	e Tubing	Record and	production	n details o	n Initial 24 H	our Test Sundry	on subsequen	t sundries.					
33. Indica	ate which ite	ms have be	een attached b	y placing a	check in the	appropriate bo	exes:							
☐ Elec	ctrical/Mecha	mical Logs	(1 full set req)	d.)		Geologic Repor	rt DST F	Report	✓ Directional Survey					
			and cement ve		-	Core Analysis			1OCD Form C-102					
34. I here	by certify th	at the fore	going and atta	ched inforn	nation is con	plete and corre	ect as determined fro	om all available r	ecords (see attached instructions)*	:				
N	ame (please	print) Ho	olly Hill				Title Senior R	Regulatory Ana	lyst					
S	ignature	20	Org	Di			Date 05/11/20	17						
						t a crime for ar		y and willfully to	make to any department or agency	y of the United States any				

(Continued on page 3) (Form 3160-4, page 2)