

NOV 13 2018

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Form 3160-4 (June 2015)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCT 25 2013

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| | WEL | L COM | IPLETIC | N OR | RECOMPI | LETIO | N REPO | RT I | AND reau | LOG of Lan | Fle | eld Offic lanage: | 5. 1 | ease Se | erial No. | |
|------------------------|-------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------|-------------|-------------------------|----------------|-------------|-------------------------------|-------|---------------------------------|----------|---------------------|--------------------|-------------------------------------------|
| la. Type of | Well Competion | ✓ Oil W | | as Well | | Other | Back Di | iff. Zo | | | | Fracturing | 6. I | f Indian tern Na | | r Tribe Name |
| o. Type of | Competion | Othe | | | | | | | | | | | 7. [| Jnit or C VM1329 | CA Agreem 981A | ent Name and No. |
| 2. Name of Encana Oi | Operator I & Gas (US | SA) Inc. | | | | | | | | | | | | | ame and Wanit 501H | ell No. |
| 3. Address | treet, Suite | 1700 D | enver CO | 80202 | | | 3a. Pho 720-87 | | | clude are | ea co | ode) | | API Well 045-358 | | |
| | of Well (Re | port loca | tion clearly | and in ac | ccordance with | Federa | | | 33 | | | | 10. | Field ar | | Exploratory |
| | 2544' F | NL and | 1510' FE | L, Sec. | 3, T23N R9 | 9W | | | | | | | | ncos | D. M. on | Dlook and |
| At surfac | e | | 23 | 5' FNL | and 607' FE | EL, Sec | c. 3, T23N | R9V | V | | | | | | | n Block and NNE, Sec. 3, T23N R9 |
| At top pro | od. interval | reported b | pelow | | | | | | | | | | - | | or Parish | 13. State |
| At total d | enth 80' F | NL and 2 | 2339' FWL | Sec. 11 | , T23N R9W | | | | | | | | San | Juan (| County | NM |
| 14. Date Sp | - | | 15. Date | T.D. Rea | | | 16. Date (| | | | | | | | ons (DF, R | KB, RT, GL)* |
| 6/19/18 | 1 140 | 10055' | 8/26/18 | 10 | Plug Back T.D | · MD | | & A | | eady to | | | 0.00 | 2' GL | 240' | |
| 18. Total L | Depth: MD | 4907 | | 19. | Priig Back 1.D | | 4909 | | | 20. Dep | oth B | ridge Plu | g Set: | TVD 4 | 906' | |
| N/A | | | | | bmit copy of e | ach) | | | | Was | s DS | I cored? T run? nal Surve | V | No [| | mit analysis) mit report) mit copy) |
| 23. Casing Hole Size | and Liner R | | (#ft.) | Top (MD) | | MD) | Stage Cement Depth | ter | No. | of Sks. & | | Slurry | Vol. | Cerv | neut Top* | Amount Pulled |
| 12.25" | 9.625"/J5 | | | face | 329' | | J/A | | | of Sks. & Sof Cement ass G 39 | | (BBL) | | Surface | | N/A |
| 8.75" | 7"/J55 | 26# | | rface | | | N/A | | | lass G | | 474 | | Surface | | N/A |
| 6.125" | 4.5"/P110 | | | | 10045' | | J/A | - | 145 CI | | - | 252 | | 5058' | | N/A |
| 0.120 | | | | | | | | | | | | | | | | |
| | - | | | | _ | | | | | | | | | | | |
| 24. Tubing | Record | | | | | | | | | | | | | | | |
| Size | | et (MD) | Packer D | ept (MD) | Size | | Depth Set (MI | D) I | Packer | Depth (M | D) | Size | | Dept | h Set (MD) | Packer Depth (MD) |
| 25. Produc | ing Interval | S | | | | | 6. Perforatio | - | | | | | | | | |
| A) C-11 | Formation | | 4965 | Top | 4906' TVD | | Perfora 444' to 9984 | | | | .30' | Size | No. | Holes | 0 | Perf. Status |
| A) Gallup B) | | | 4903 | TVD | 4900 170 | 3. | 444 10 990 | 4 110 | IU | | .30 | | 004 | | Open | |
| C) | | | | | | | | - | | | | | | | | |
| D) | | | | | | | | | | | | | | | | |
| 27. Acid, I | | | Cement Squ | eeze, Post | hydraulic frac | turing cl | hemical discl | losure | es on F | racFocu | s.org | 2 | | | | |
| 5444' to 99 | Depth Interv 84' TMD | al | | | ice Dated 10/2: | | | | | of Chemis | cal D | isologure a | pload or | Practice | ns org | ECORD |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 1 | OV 0 | 5 2018 | 3 |
| 28 Produc | ction - Interv | al A | | | | | | | | | | 750.6.100.1 | | | | |
| Date First | Test Date | Hours | Test | Oil | Gas | Wat | | Grav | | Gas | | Proc | uction | Method | FIELD | OFFICE |
| Produced | | Tested | Production | on BBL | MCF | BBI | Cor | rr. AP | 1. | Grav | vity | Ву:_ | (| | 7 | |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Wate BB1 | | s/Oil | | Wel | l Sta | tus | 1 | 7 | <u></u> | |
| SIES | SI SI | | Designation of the last of the | | | | | - / 50 | | | | | 1 | | | |
| 28a. Produ | action - Inter | val B | | | | | | | | | | | | | | |
| Date First Produced | Test Date | Hours Tested | Test Producti | Oil BBL | Gas MCF | Wate BBL | | Grav 17. AP | | Gas Grav | | Prod | uction | Method | | |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCI [;] | Wate BBL | | s/Oil tio | | Wel | l Sta | tus | | | | |
| | SI | | BURNS AND A | | | | | | | | | | | | | |

| 8b. Produ | ection - Inter | rval C | | <u>. </u> | | | | | | | | | |
|----------------------------|----------------------------|-----------------------------|-------------------------------------|----------------------------------------------|--------------------------|-------------------------------------------|------------------------------|----------------------|--------------------------------------------------------|-------------------------------------------------|--|--|--|
| | Test Date | Hours | Test | Oil | Gas | Water | Oil Gravity | Gas | Production Method | | | | |
| roduced | | Tested | Production | BBL | MCF | BBL | Corr. API. | Gravity | : | | | | |
| hoke | Tbg. Press. | | 24 Hr. | Oil | Gas MCF | Water | Gas/Oil | Well Status | | | | | |
| ize | Flwg. SI | Press. | Rate | BBL | MCF | BBL | Ratio |]. | | | | | |
| | L | <u> </u> | | <u> </u> | J | | | | | | | | |
| | ction - Inte | Hours | Test | loil | Gas | Water | Oil Gravity | Gas | Production Method | | | | |
| roduced | , con Duit | Tested | Production | BBL | MCF | BBL | Corr. API. | Gravity | | | | | |
| hoke | Tbg. Press. | Csg. | 24 Hr. | Oil | Gas | Water | Gas/Oil | Well Status | <u> </u> | | | | |
| Size Flwg. SI | | Press. | Rate | BBL MCF BBL Ratio | | | | | | | | | |
| 9. Dispos | sition of Ga | s (Solid, us | ed for fuel, v | ented, etc. | ; | | | | | · · · · · · · · · · · · · · · · · · · | | | |
| sed for t | fuel, vente | d and flare | ed | | | | | | | | | | |
|). Summ | ary of Poro | us Zones (1 | Include Aqui | fers): | | | | 31. Formation | on (Log) Markers | | | | |
| | - | | | | mof Core | d intervals and al | l drill-stem tests, | | Ojo Alamo 640, Kirtland Shale 769, Fruitland Coal 1260 | | | | |
| includi | all importanting depth int | erval testec | i, cushion use | ed, time to | ol open, flo | wing and shut-in | pressures and | | | ale 1508, Cliffhouse 2059 3748, Mancos Shale | | | |
| recove | ries. | | | | | • • | | | ncos Silt 4434, Gallu | | | | |
| | | | | T | | | | 00 12, 1110 | 1005 0111 4 10 1, 00110 | Тор | | | |
| Form | nation | Тор | Bottom | | Descr | riptions, Content | s, etc. | | Name | Meas. Depth | | | |
| | | - · · ·· | | 1,,, | | | • | 0 | | ivicas. Deptil | | | |
| San Jos | | Surface | Surface 640 | Water | | | | San Jose Naciemen | nto En | Surface | | | |
| vacienii | ento Fn | | | | | | | | | | | | |
| Ojo Alamo | | 640 | 769 | Water | | | | Ojo Alamo | | 640 | | | |
| Kirtland | Shale | 769 | 1206 | Water | | | | Kirtland S | naie | 769 | | | |
| Fruitland Coal | | 1206 | 1380 | Water | | | | Fruitland (| | 1206 | | | |
| Pictured | d Cliffs Ss | 1380 | 1508 | Water | Gas | | | Pictured 0 | Cliffs Ss | 1380 | | | |
| Lewis Shale | | 1508 2059 Water, Gas | | | | | | Lewis Sha | ale | 1508 | | | |
| Cliffhouse Ss | | 2059 | 2775 | Water | Gas | | | Cliffhouse | Ss | 2059 | | | |
| Menefee Fn | | 2775 | 3748 | Water | Gas | | | Menefee I | Fn | 2775 | | | |
| Point Lookout Ss | | 3748 | 3942 | Water | Gas | | | Point Loo | kout Ss | 3748 | | | |
| Mancos Shale Gallup | | 3942 | 4841 | Oil, Ga | as | | | Mancos S | Shale | 3942 | | | |
| | | 4841 | , | Oil, G | | | | Gallup | | 4841 | | | |
| • | | <u> </u> | <u> </u> | 」 , . | | | | _1 | | <u> </u> | | | |
| | | | plugging pro | | | | | | | | | | |
| Encana | will provi | de Tubin | ig Record i | ntormati | on and p | roduction det | ails in Initial 24 | hour Test S | Sundry on subsequer | nt sundries. | | | |
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| 33 Indic | ate which its | ems have h | een attached | by placing | a check in | the appropriate | boxes: | | · | | | | |
| | | | | | | Geologic Report | DST Re | | Discotional Communication | | | | |
| _ | | | (1 full set req'd and cement ver | | | Core Analysis | | As-drile | ☑ Directional Survey | | | | |
| 34 1 hard | eby certify t | hat the fore | going and att | ached info | mation is | complete and co | rrect as determine | ed from all avai | lable records (see attache | d instructions)* | | | |
| | Name (pleas | | | | | | Title Senlor Reg | | | | | | |
| | - | | » L | | | | 20/2 | 3/18 | | | | | |
| | Signature _ | | | | | | Date | 71 | | | | | |
| Title 18 U false, ficti | IS C. Section | K 1001 and dulent states | Title 43 U.S Concerts or repre | C. Section 1 sentations | 212, make as to any m | it a crime for any atter within its ju | person knowingly risdiction. | and willfully to | make to any department o | r agency of the United States any | | | |
| Continue | ed on page 3 | 3) | | | | | | | | (Form 3160-4, page | | | |