

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.	30-045-35315
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. V-1509	
7. Lease Name or Unit Agreement Name Good Times P32-2410	
8. Well Number 01H	
9. OGRID Number 282327	
10. Pool name or Wildcat South Bisti-Gallup	

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
Encana Oil & Gas (USA) Inc.

3. Address of Operator  
370 17<sup>th</sup> Street, Suite 1700 Denver, CO 80202

4. Well Location

SHL: Unit Letter P : 990 feet from the S line and 330 feet from the E line  
BHL: Unit Letter M : 990 feet from the S line and 330 feet from the W line  
Section 32 Township 24N Range 10W NMPM San Juan County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6615 GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Encana Oil & Gas (USA) Inc. (Encana) intends to perform a cement squeeze on the Good Times P32-2410 01H well in order to isolate a suspected water source. The procedure for this proposed work is attached.

# perform an MIT on the wellbore after the cement is drilled out. Provide 24hrs notice prior to the MIT so it can be witnessed

# Notify the OCD of the CBL results

# If a second squeeze is needed notify the OCD prior to proceeding.

OIL CONS. DIV DIST. 3

NOV 13 2015

Spud Date: 02/09/12

Rig Release Date: 03/01/12

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Katie Wegner TITLE Regulatory Analyst

DATE 11/11/2015

Type or print name Katie Wegner  
For State Use Only

E-mail address: Katie.wegner@encana.com PHONE: 720-876-3533

APPROVED BY: [Signature]  
Conditions of Approval (if any):

TITLE DEPUTY OIL & GAS INSPECTOR

DATE 11/12/15

RV DISTRICT #3

Email approval



**Good Times P32-2410 01H**

Procedure – Water Flow Squeeze

AFE: TBD

**Scope**

Suspected water flow from Point Lookout Injection zone behind pipe to production zone.

Goal is to block flow path to production zone.

**Current Wellbore Details:**

All depths from KB (13')

9-5/8" 40# Int csg set at 3,750' MD

5-1/2" liner – top at 3,532' MD

Perfs (17 stages) 4,656' – 8,689' MD

**Tubing and Rod Details:**

All depths from KB (12')

2-7/8" tbg set @ ~4,141' MD, SN @ 4,139' (SN @ 22°)

3-1/2" perf sub and mud anchor set @ 4,205'

1 – 1-1/2" x 26' PR

39 – 7/8" guided rods

39 – 7/8" plain rods

61 – 3/4" plain rods

24 – 7/8" guided rods

1 – 7/8" guided rod

1 – 2-1/2" x 2" x 18' RWAC HVR pump (4' SM plgr w/ SCPID bbl)

**Procedure by Day:**

1.

- a. MIRU equipment. Spot workover rig, pump, water truck, tank and hot oiler. Check casing/tubing pressure and bleed off. ND production tree and NU rod BOP's, unseat pump and stand back rods inspecting for any wear.
- b. ND rod BOP's, install crossover flange, NU tubing BOP's. Pull 2-7/8" tbg out of hole inspect on the fly.

2.

- a. MIRU e-line, MU CCL + setting tool + wireline set RBP. Set RBP in 5-1/2" liner at ~3,880' – do not set in a collar, adjust depth by 5' where necessary using CCL. POOH with W/L and load csg w/ produced water. Capacity to RBP is 267 bbl. Pressure test against plug at 1,000 psi for 15min to verify wellbore integrity. Test blind rams against plug. Dump 2 sacks sand (~15') on top of plug and allow settling.
- b. RIH and perforate at 3,810' using a 1' carrier, 4spf, small gram (~3.5g), 0deg phased charges – do shoot through a collar, adjust depth by 5' where necessary. Pump 10 bbls fresh water to establish injection rate – if cannot establish injection, RIH and perf with larger (~19 gram) charges 5' uphole



of first set of perfs. Re-establish injection and record pressure/injection rate to dictate cementing program. RDMO e-line.

3.

- a. PU 2-3/8" tubing and RIH with Baker 5-1/2" tension- set packer and set at 3,680' – avoid setting in a collar. If injection test showed formation cannot hold hydrostatic head, MU mechanical flapper above packer to isolate squeeze after displacement of cement. MIRU cement crew while RIH. Pressure test backside to 1,000 psi for 10 min to verify packer seal.
- b. Pump 10 bbls fresh water to establish injection rate. Mix and pump cement per design based on injection rate. For the mid-rate injection test, pump spacers per design following with 40 sacks class G cement (~8bbl) monitoring pressure. For the high-rate injection test, pump spacers per design following with 29 sacks thixotropic cement (~8bbl) monitoring pressure
- c. Displace cement through tbg string with 14.5bbl freshwater. If needed, and flapper is installed, isolate squeeze via mechanical flapper tool.
- d. Release packer and reverse circulate remaining cement out. Release and TOH with packer.

4.

- a. WOC per cementing guidelines.
- b. MIRU e-line and run CBL. RIH until tool string stacks out. Log out of hole to top of liner and submit log to engineer for submittal to state.

5. Contingency Day (2<sup>nd</sup> squeeze)

- a. Pump 10 bbls fresh water to establish injection rate – if cannot establish injection, RIH and perf with larger (~19 gram) charges 5' uphole of first set of perfs. Re-establish injection and record pressure/injection rate to dictate cementing program. RDMO e-line.
- b. PU 2-3/8" tubing and RIH with Baker 5-1/2" tension- set packer and set at 3,675' – avoid setting in a collar. If injection test showed formation cannot hold hydrostatic head, MU mechanical flapper above packer to isolate squeeze after displacement of cement. MIRU cement crew while RIH. Pressure test backside to 1,000 psi for 10 min to verify packer seal.
- c. Pump 10 bbls fresh water to establish injection rate. Mix and pump cement per design based on injection rate. Pump spacers per design following with 40 sacks cement (~8bbl) monitoring pressure.
- d. Displace cement through tbg string with 14.5bbl freshwater. If needed, and flapper is installed, isolate squeeze via mechanical flapper tool.
- e. Release packer and reverse circulate remaining cement out. Release and TOH with packer.

6. Contingency Day (2<sup>nd</sup> squeeze CBL log)

- a. WOC per cementing guidelines.

- b. *MIRU e-line and run CBL. RIH until tool string stacks out. Log out of hole to top of liner and submit log to engineer for submittal to state.*
- 7.
- a. RIH with mill and collars to DO cement. Reverse circulate while DO.
- b. RIH with retrieving tool on 2-3/8" tbg to retrieve RBP at 3,800'. Reverse circulate sand from top of RBP, release RBP and POOH.
- 8.
- a. RIH with 2-7/8" production tubing
- b. RIH with rods/pump.

**Contact Information:**

Clyde Marks	Field Superintendent	505-599-2402 (o) 970-309-3061 (c)
Taylor Young	Completions Engineer	720-876-3875 (o) 970-640-7037 (c)
Scott Reed	Production Engineer	720-876-3238 (o) 720-261-2295 (c)
Corky Vickers	Engineering Advisor	720-876-5324 (o) 303-819-7321 (c)