



FORM 4 Rev 12/05

Page 1

State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109



RECEIVED MAR 23 2011 COGCC

SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b)

1. OGCC Operator Number: 100185
2. Name of Operator: EnCana Oil & Gas (USA) Inc.
3. Address: 370 17th Street, Suite 1700
4. Contact Name: Marina Ayala
5. API Number: 05-045-19165
6. Well/Facility Name: Story Gulch Unit
7. Well/Facility Number: 8507C-25 F25 496
8. Location: SENW Sec 25 T4S-R96W 6th PM
9. County: Garfield
10. Field Name: Wildcat
11. Federal, Indian or State Lease Number: COC61136

Table with 2 columns: Attachment Name, Status. Includes Survey Plat, Directional Survey, Surface Eqmpt Diagram, Technical Info Page, Other.

General Notice

CHANGE OF LOCATION: Attach New Survey Plat
CHANGE SPACING UNIT
CHANGE OF OPERATOR
CHANGE WELL NAME
ABANDONED LOCATION
NOTICE OF CONTINUED SHUT IN STATUS
SPUD DATE
REQUEST FOR CONFIDENTIAL STATUS
SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK
RECLAMATION

Technical Engineering/Environmental Notice

Notice of Intent
Approximate Start Date: 3/8/2011
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)
Intent to Recomplete, Change Drilling Plans, Gross Interval Changed, Casing/Cementing Program Change, Request to Vent or Flare, Repair Well, Rule 502 variance requested, Other, E&P Waste Disposal, Beneficial Reuse of E&P Waste, Status Update/Change of Remediation Plans.

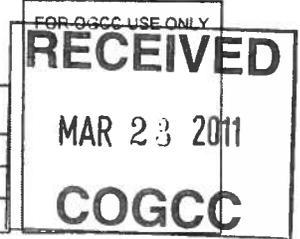
I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete

Signed: Marina Ayala Date: 3/23/2012 Email: marina.ayala@encana.com
Print Name: Marina Ayala Title: Permitting Technician

COGCC Approved: [Signature] Title: PE II Date: 3/23/2012

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



1. OGCC Operator Number:	100185	API Number:	05-045-19165
2. Name of Operator:	EnCana Oil & Gas (USA) Inc. OGCC Facility ID # 415182		
3. Well/Facility Name:	Story Gulch Unit	Well/Facility Number:	8507C-25 F25 496
4. Location (QtrQtr, Sec, Twp, Rng, Meridian):	SENW Sec 25 T4S-R96W 6th PM		

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

INTENT TO CHANGE CASING/CEMENT DESIGN.

PLEASE SEE ATTACHED LINER INSTALL PROCEDURE DATED 3/08/11

VERBAL APPROVAL PREVIOUSLY GRANTED VIA EMAIL.

D.A.

ENCANA



EnCana Oil & Gas (USA) Inc.

SGU 8507C-25 F25 496

SHL SE NW Section 25, T4S, R96W
BHL SW NE Section 25, T4S, R96W

Garfield County, Colorado

SimOps Deepening procedure

March 8, 2011

Production Engineer: Mills Bale
Production Group Lead: Jerry Dietz
Completion Engineer: Steve Happ
Completion Group Lead: Jeff Villalobos
Drilling Engineer: Tony Kohake
Drilling Group Lead: Frank Merendino
North Piceance Team Lead: Jeff Balmer

Attachment #1 - Wellbore Diagram

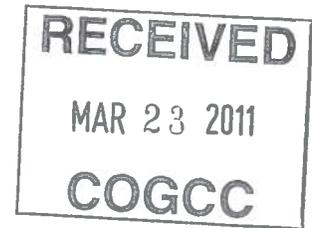
RECEIVED

MAR 23 2011

COGCC

API Number: 05045191650000
 Spud Date: March 8, 2010
 GL Elevation: 8,298 ft
 KB Elevation: 8,320 ft
 TD: 12,515 ft MD
 PBTD: 10,510 ft MD 4 1/2 shoe @ 10,532' MD
 Surface Casing: 14 3/4" hole, 9 5/8" OD, 36 lb/ft, J-55, set at 3,010 ft.

Surface Casing Properties: ID: 8.921"
 Drift ID: 8.765"
 Collapse: 2,020 psig
 Burst: 3,520 psig
 Joint Yield Strength: 394,000 lb
 Capacity: 0.0773 BBL/ft
 Capacity 9 5/8" casing x 14 3/4" hole: 0.1214 BBL/ft



Production Casing: 7 7/8" hole, 4 1/2" OD, 11.6 lb/ft, P-110, set at 10,532 ft.

Production Casing Properties: ID: 4.000"
 Drift ID: 3.875"
 Collapse: 7,560 psig
 Burst: 10,690 psig
 Joint Yield Strength: 279,000 lb
 Capacity: 0.0155 BBL/ft
 Capacity 4 1/2" casing x 7 7/8" hole: 0.0406 BBL/ft

Proposed work string: 2 7/8" 10.4# S135 HT-SLH 90 drill pipe.

Workstring properties: Tube ID: 2.151"
 Connection ID: 1.975"
 Connection drift: 1.850"
 Connection OD: 3.125"
 Connection Yield: 212,000#
 Make up Torque: 4,600 ft/#
 Collapse: 25,600 psig
 Burst: 27,200 psig
 Joint Yield Strength (see connection yield): 299,700 lb
 Torsional yield (tube): 15,945#
 Torsional yield (connection): 7,600#
 Displacement: 0.00379 BBL/ft
 Capacity: 0.00445 BBL/ft
 Annular Capacity 2 7/8 DP x 4 1/2" 11.6# casing: 0.0075 BBL/ft

Cement: Surface cement at 0 ft (calculated). Well is currently waiting on surface casing and parasite top job.
 Production cement at 3,090 ft (SWS CBL dated 14-Oct-2010).

Objective

Deepen well to original Drillers TD of 12,515' MD. Run 3 1/2" production liner & cement. Prepare for completion frac operations.

Background

This is currently waiting on background synopsis from drilling

Safety

Safety meetings are to be held with all location supervisory personnel prior to each tour. Well site supervisor(s) must notify contractors as to known hazards of which the contractors may be unaware. Well site supervisor must ensure that all workers are aware of their responsibilities and duties under the EH&S guidelines. All safety meetings will be recorded on the EnCana daily completion reports in Well Core, as well as Daily SimOps workbook.

Regulations

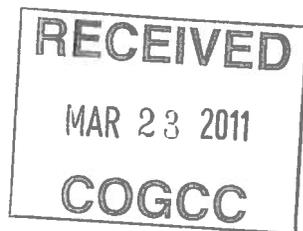
All notifications to regulatory agencies will be primarily email with phone follow up. All verbal notifications and approval from government regulatory agencies will be recorded on the EnCana daily report. The name of the individual contacted and the subject matter of approval or notification will be recorded.



Well Deepening Program:

Stage 1: Prespud Safety/SimOps meeting, MIRU, NU BOPE, run flow lines and flare lines:

1. Hold pre-spud safety & SimOps meeting with Drilling Coordinator, Completion Coordinator, Workover Coordinator, Drilling Engineer, Completion Engineer, Workover Supervisors, Safety Supervisors, Drilling Rig Toolpusher, Workover Contractor representatives, rental company representatives (BOPE), and flowback.
2. MIRU workover rig with pump, mud shaker tank, gas buster, and BOP equipment. All guywires will be flagged as high above ground level as practicable. Concrete anchor blocks will be painted hi-vis safety yellow. If possible a rig basebeam may be used instead of concrete anchor blocks. NU BOPE Class 3 stack as 7 1/16" 5M DBL with CSO btm, 2 7/8 ram top, DBL to have 2 1/16" 5M gate valve on port below CSO ram, 7 1/16" 5M Single with 3 1/4" ram. Single to have 2 1/16" 5M gate valve on port below ram. 7 1/16" 5M x 1" spacer spool with 3" 5M outlet. Install 3" 5M x 3" 10M DSA and 3" 10M gate valve, 3" 10M adaptor flange to 3" 1502 male union. Run 3" 1502 iron to choke manifold.
3. Run 3" 1502 iron from choke manifold to gas buster & shale shaker. Run 3" LP from gas buster to flare stack.
4. Pressure test all BOPE, flow lines to choke manifold, choke manifold to 250 psi low, 5000 psi high test.
5. RU rig floor and pipe handling equipment.



Stage 2: RIHW workstring, mud up, drillout FC & shoe. Wash/redrill 4 1/8" x 7 7/8" open hole.

1. MI 2 7/8" 10.40# S135 workstring. Unload onto racks & layout for tally
2. Tally & RIHW 3 7/8" cone bit, XO, 6-3 1/8" drill collars, XO, 2 7/8" drill pipe.
3. Establish circulation rate of 110-130 gal/min. Maintain 250 ft/min annular velocity. Drill out cement, float collar, shoe jt, float shoe with 9.5 PPG mud (see production casing detail in Wellcore). Maintain mud properties as; Vis 60, PV 40-45, YP 30, Gel 10 sec 8, 10 min 16, WL 3.5-6.0, PH 8.4, CL 1800, CA 60, pf 0.1, MF 1.0
4. Drill/wash 20' into open hole to 10,550' or through cement and circulate bottoms up. Shut down pumps and check well for flow/pressure. If necessary, calculate new mud weight and raise weight in pits. Displace casing volume & check for flow/pressure. Circulate & kill well for trip.
5. Pump 30 bbl trip pill at 1/2-l ppg above kill weight. POOH with DP & BHA keeping hole filled with kill weight mud. Take care as not to swab in gas bubble while POOH with 3 1/8" BHA inside 4 1/2" 11.6# csg. Be sure to monitor fill volumes while POOH for possible kick detection.
6. RIHW 4 1/8" bi-center bit, drill collars, XO, 2 7/8" drill pipe. Be sure to monitor displacement volumes while TIH for possible kick detection.
7. Establish circulation rate of 130-160 gal/min. Note maximum circulating pressure of 3500 psi on standpipe. Calculate annular velocity at max pressure and rate. Consult Workover Coordinator if max pressures are at 3500 psi at max rate. Maintain mud properties as; Vis 60+, PV 40-50, YP 30, Gel 10 sec 8, 10 min 16, WL 3.5-5.0, PH 8.4, CL 1800, CA 60, pf 0.1, MF 1.0
8. Wash/drill to TD @ 12,515' KB. Use caution from top of Cameo Coal @ _____ to TD. Beware of packoff issues at 4 1/2" shoe @ 10,532'. Monitor returns at shaker. Be prepared for gas kicks. Report any pit gain immediately to Drilling Representative for potential SimOps well control situation.
9. Short trip to casing shoe. After short trip, Build mud vis 65-75 for hole stabilization
10. Condition mud for trip out of hole. Pump trip pill, POOH with drill pipe. Use caution as bit re-enters 4 1/2" casing @ 10,532'. Keep hole full while POOH. Stop at 5000', 2500', and 1000' for flow checks
11. Run logs as per geologist request

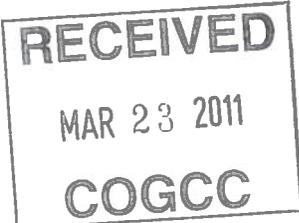
Comment [ms1]: Do we want any logs?

Stage 3: Run production liner.

1. Run in hole with liner assembly as guide shoe, shoe joint, 15 jts 3 1/2" 9 2# N80 ULT-FJ liner, marker jt, 3 1/2" 9 2# N80 ULT-FJ liner to casing, liner on-off tool, XO, work string to surface. Centralize 4 jts below liner on-off tool.
2. Tag TD and circulate 1 1/2 times hole volume minimum. DO NOT EXCEED 2 BPM while circulating. Reciprocate slowly if needed to help with bridging at casing shoe.

Stage 4: Cement liner

1. MI pumping service and cement with caliper log volume + 20% containing 35% silica flour, 2% R-3, 5% R-8, 1.2% FL-25 or equivalent. Lead with 10 bbl mud flush followed by slurry volume to cover liner top.
2. Drop plug and displace cement with produced water. DO NOT EXCEED 2 BPM while displacing. Slow rate to 1 BPM as plug passes liner ON-OFF tool. DO NOT EXCEED 1500 psi displacement pressure. Bump plug to 500 psi over differential. Release pressure and check for flow back.
3. Release ON-OFF tool and reverse casing and work string clean with produced water.
4. POOH LDDP & BHA. Load casing. Pressure test 4 1/2" casing and liner top to 2000 psi.
5. Nipple down BOP. RDMO deepening rig.
6. Wait 48-72 hrs. RUN CBL.
7. Frac per recommendation.



Comment [ms2]: Cement recommendation?

Comment [ms3]: Baker circulating/cementing procedure?