COLORADO OIL & GAS CONSERVATION COMMISSION

Introduction to Monthly Report of Operations

Form 7 Contact Information

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State of Colorado
Oil & Gas Conservation Commission
Phone: (303) 894-2100

Agenda

- Drilling Completion Report (Form 5)
- Completed Interval Reports (Form 5A)
- Monthly Report of Operations
  - Field Definitions
  - Error Reports
- Delinquent Reports
- N-COM Formation
- Change of Operator (Form 10)

Drilling Completion Report

FORM 5 (DRILLING COMPLETION REPORT) AND THE RELATION TO THE FORM 7

Rule 308A

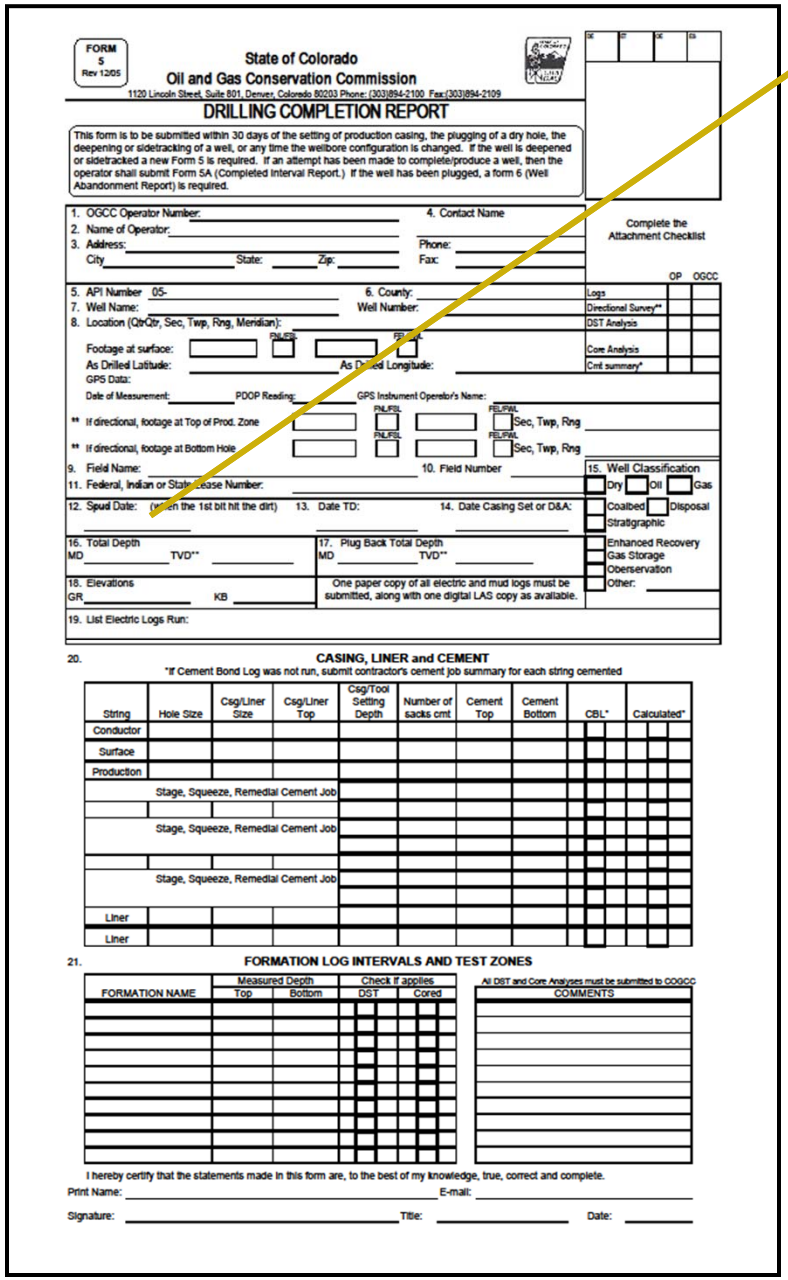
Drilling Completion Report

Within thirty (30) days of the setting of production casing, the plugging of a dry hole, the deepening or sidetracking of a well, or any time the wellbore configuration is changed, the operator shall transmit to the Director the Drilling Completion Report, Form 5...

Drilling Completion Report (Form 5)

- Spud Date

*If the operator doesn't provide a spud date, then the system automatically requests production starting January 1999.



FORM 5 Rev 12/05

State of Colorado
Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax:(303)894-2109

DRILLING COMPLETION REPORT

This form is to be submitted within 30 days of the setting of production casing, the plugging of a dry hole, the deepening or sidetracking of a well, or any time the wellbore configuration is changed. If the well is deepened or sidetracked a new Form 5 is required. If an attempt has been made to complete/produce a well, then the operator shall submit Form 5A (Completed Interval Report.) If the well has been plugged, a form 6 (Well Abandonment Report) is required.

1. OGCC Operator Number:
2. Name of Operator:
3. Address:
City State: Zip:
4. Contact Name
Phone:
Fax:

Complete the Attachment Checklist

	OP	OGCC
Logs		
Directional Survey**		
DST Analysis		
Core Analysis		
Cmt summary*		

5. API Number 05-
6. County:
7. Well Name:
Well Number:
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian):
Footage at surface: FNL/FSL FEL/FWL
As Drilled Latitude: As Drilled Longitude:
GPS Data:
Date of Measurement: PDOP Reading: GPS Instrument Operator's Name:
** If directional, footage at Top of Prod. Zone FNL/FSL FEL/FWL Sec, Twp, Rng
** If directional, footage at Bottom Hole FNL/FSL FEL/FWL Sec, Twp, Rng
9. Field Name:
10. Field Number
11. Federal, Indian or State Lease Number:
12. Spud Date: (when the 1st bit hit the dirt)
13. Date TD:
14. Date Casing Set or D&A:
15. Well Classification
Dry Oil Gas
Coalbed Disposal
Stratigraphic
Enhanced Recovery
Gas Storage
Observation
Other:
16. Total Depth MD TVD**
17. Plug Back Total Depth MD TVD**
18. Elevations GR KB
One paper copy of all electric and mud logs must be submitted, along with one digital LAS copy as available.
19. List Electric Logs Run:

20. CASING, LINER and CEMENT

*If Cement Bond Log was not run, submit contractor's cement job summary for each string cemented

String	Hole Size	Csg/Liner Size	Csg/Liner Top	Csg/Tool Setting Depth	Number of sacks cmt	Cement Top	Cement Bottom	CBL*	Calculated*
Conductor									
Surface									
Production									
Stage, Squeeze, Remedial Cement Job									
Stage, Squeeze, Remedial Cement Job									
Stage, Squeeze, Remedial Cement Job									
Liner									
Liner									

21. FORMATION LOG INTERVALS AND TEST ZONES

All DST and Core Analyses must be submitted to COGCC

FORMATION NAME	Measured Depth Top	Measured Depth Bottom	Check if applies DST	Check if applies Cored	COMMENTS

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

Print Name: E-mail:

Signature: Title: Date:

12. Spud Date

Completed Interval Report

FORM 5A (COMPLETED INTERVAL REPORT) AND THE RELATION TO THE FORM 7

Rule 308B

COGCC Form 5A

Completed Interval Report

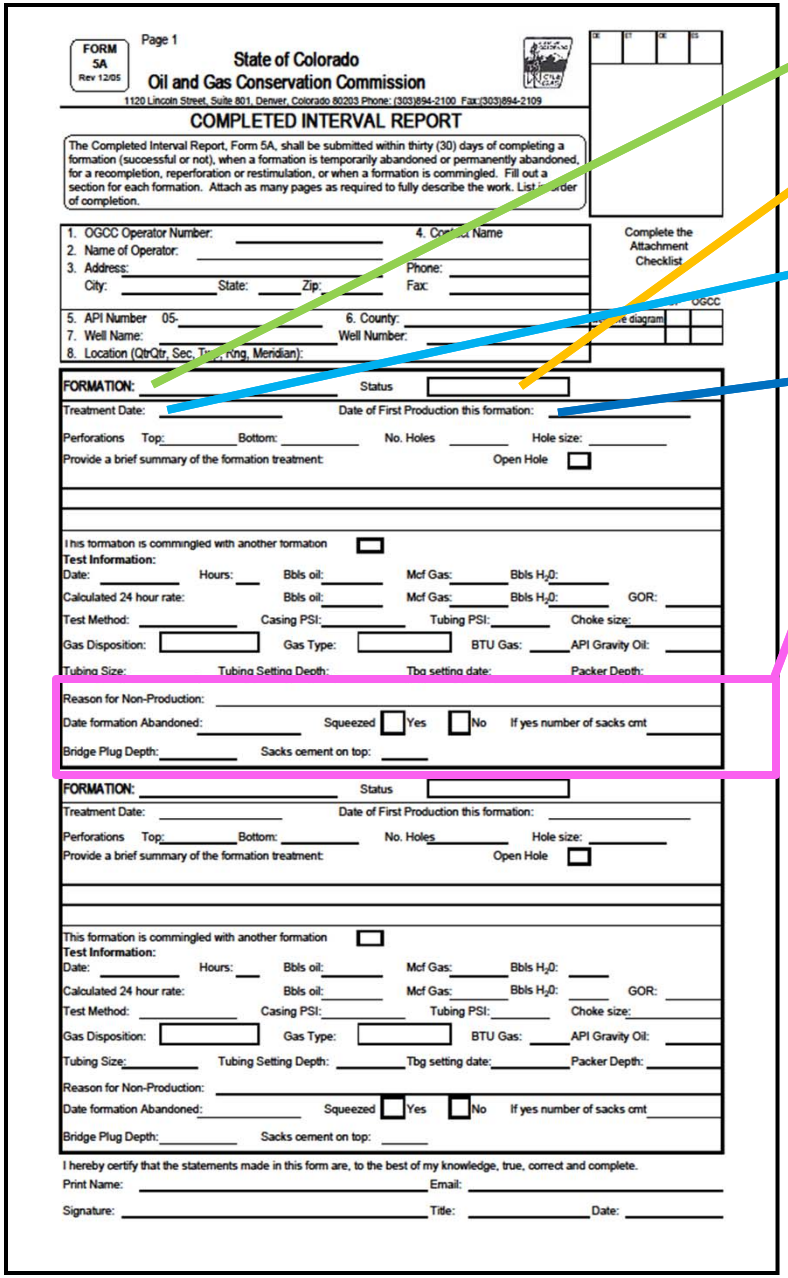
The Completed Interval Report, Form 5A, shall be submitted within thirty (30) days of completing a formation (successful or not), when a formation is temporarily abandoned or permanently abandoned, for a recompletion, reperforation or restimulation, or when a formation is commingled.

Completed Interval Report (Form 5A)

- Formation code
- Test dates
- Dates of first production for the formation
  - *Date the formation was originally completed.*
- Well Status
- Abandonment Information (Formation)

Dates Missing from 5 & 5A

- If the operator doesn't provide a date of first production the system defaults to the test date.
- If the operator doesn't provide a test date or date of first production, then the system automatically defaults to the spud date.
- If the operator doesn't provide a test date, a date of first production, or a spud date, the system automatically defaults to January 1999 and requests Form 7's starting January 1999.
- If the operator doesn't provide the date that a formation was abandoned, then they system will continue to request production



FORM 5A 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

COMPLETED INTERVAL REPORT

The Completed Interval Report, Form 5A, shall be submitted within thirty (30) days of completing a formation (successful or not), when a formation is temporarily abandoned or permanently abandoned, for a recompletion, reperforation or restimulation, or when a formation is commingled. Fill out a section for each formation. Attach as many pages as required to fully describe the work. List in order of completion.

Complete the Attachment Checklist

1. OGCC Operator Number:
2. Name of Operator:
3. Address:
City: State: Zip:
4. Contact Name
Phone:
Fax:
5. API Number 05-
6. County:
7. Well Name:
Well Number:
8. Location (QtrQtr, Sec, Twp, Rng, Meridian):

OGCC

FORMATION: Status

Treatment Date: Date of First Production this formation:

Perforations Top: Bottom: No. Holes Hole size:

Provide a brief summary of the formation treatment: Open Hole

This formation is commingled with another formation

Test Information:

Date: Hours: Bbls oil: Mcf Gas: Bbls H_2O:

Calculated 24 hour rate: Bbls oil: Mcf Gas: Bbls H_2O: GOR:

Test Method: Casing PSI: Tubing PSI: Choke size:

Gas Disposition: Gas Type: BTU Gas: API Gravity Oil:

Tubing Size: Tubing Setting Depth: Tbg setting date: Packer Depth:

Reason for Non-Production:

Date formation Abandoned: Squeezed Yes No If yes number of sacks cmt

Bridge Plug Depth: Sacks cement on top:

FORMATION: Status

Treatment Date: Date of First Production this formation:

Perforations Top: Bottom: No. Holes Hole size:

Provide a brief summary of the formation treatment: Open Hole

This formation is commingled with another formation

Test Information:

Date: Hours: Bbls oil: Mcf Gas: Bbls H_2O:

Calculated 24 hour rate: Bbls oil: Mcf Gas: Bbls H_2O: GOR:

Test Method: Casing PSI: Tubing PSI: Choke size:

Gas Disposition: Gas Type: BTU Gas: API Gravity Oil:

Tubing Size: Tubing Setting Depth: Tbg setting date: Packer Depth:

Reason for Non-Production:

Date formation Abandoned: Squeezed Yes No If yes number of sacks cmt

Bridge Plug Depth: Sacks cement on top:

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

Print Name: Email:

Signature: Title: Date:

Formation Code

Well Status

Treatment Date

Date of First Production

Formation Abandonment Information

Monthly Report of Operations

COGCC RULE 309

Rule 309

COGCC Rules & Regulations

Each producer or operator of an oil or gas well shall file with the Commission, within forty-five (45) days after the month in which production occurs, a report on Operator's Monthly Production Report, Form 7, containing all information required by said form. In addition, all fluids produced during the initial testing and completion shall be reported on Operator's Monthly Production Report, Form 7 within forty-five (45) days after the month in which testing and completion occurs.

Form 7 Specifications

Beginning January 1999 the COGCC production reporting requirements were substantially changed. Production shall be reported for each completed formation in every well. Additionally, operators shall report all oil and gas wells that exist and are not plugged and abandoned on the "Monthly Report of Operations", Form 7. A well must be reported from the month that it is spudded until it has been reported for one month as abandoned. Every formation that is completed in a well shall be reported from the time that it is completed until it has been abandoned and reported for one month. Every well is uniquely identified by its API number and each completion is identified by the COGCC Formation Code for the completed formation name. The "Monthly Report of Operations", Form 7 is due forty-five (45) days following the end of the month that is being reported, For example, the report for January 1999 is due by March 17, 1999.

Form 7 Specification Summary

COGCC Reporting Requirements

- Report every completed formation for every well.
- Report every well unless it is plugged and abandoned.
- Every well must be reported from the month it is spud until the month it is permanently abandoned plus 1 month.
- Every formation must be reported from completion to abandonment plus 1 month.
- Form 7 is due 45 days after reporting month.

Form 7 Process

- When the Form 7 has been processed, lines that don't have errors are posted.
- The lines of data that have errors will not post and are reflected on the error report.
- After the COGCC has notified the operator regarding the errors, the errors will be deleted.
- Operator will have to submit a new Form 7, containing ONLY the wells that were on the error report.
  - If the errors are not corrected and the COGCC does not receive a new Form 7, the wells will be reflected on the Delinquent Production Report.

Remember

Tips before you submit your Form 7

- Make sure there are no commas.
- Is your form signed and dated?
- Revisions. Check the box or change to Y.
- Sidetracks.
- You don't need zeros on the report.
- If well is SI, days produced is not required.
- If there are oil sales, Gravity is required.
- If there are gas sales, BTU is required.
- Volumes are to be in whole numbers only.

Form 7 Fields

COLUMN DEFINITIONS

Column A – Form Number

- This column must appear on all reports and should always have the number 7 in it.

A	B	C	D	E	F
form_num	rpt_month	rpt_year	operator_num	operator_num_suff	company_name
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating

Column B & C - Reporting Month and Year

- Column B – Reporting Month
  - This column needs to be updated each month with the **NUMERIC VALUE** for the month the report is for.
- Column C – Reporting Year
  - This column needs to reflect the reporting year.

A	B	C	D	E	F
form_num	rpt_month	rpt_year	operator_num	operator_num_suff	company_name
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating
7	3	2001	123456		ABC Operating

Columns D – N - Operator Information

- These columns must be the same for every well that is being reported.

D	E	F	G	H	I	J	K	L	M	N
operator_num	operator_num_suff	company_name	address	city	state	zip	area_code	phone_num	fax_area_code	fax_num
123456		ABC Operating, Inc	1313 Mockingbird Lane	DENVER	CO	80202	303	555-1234	303	555-4321
123456		ABC Operating, Inc	1313 Mockingbird Lane	DENVER	CO	80202	303	555-1234	303	555-4321
123456		ABC Operating, Inc	1313 Mockingbird Lane	DENVER	CO	80202	303	555-1234	303	555-4321
123456		ABC Operating, Inc	1313 Mockingbird Lane	DENVER	CO	80202	303	555-1234	303	555-4321
123456		ABC Operating, Inc	1313 Mockingbird Lane	DENVER	CO	80202	303	555-1234	303	555-4321

Commas in the operator name should be removed

Column O - Revised

- When filing an original report – leave as N
- When filing a revised report, change to Y
  - When submitting revised reports, only submit the wells that are being affected by the change, on a separate spreadsheet.

F	G	H	I	J	K	L	M	N	O
company_name	address	city	state	zip	area_code	phone_num	fax_area_code	fax_num	revised
ABC Operating	1313 Mockingbird Lane	DENVER	CO	80202	303	555-1234	303	555-4321	N
ABC Operating	1313 Mockingbird Lane	DENVER	CO	80202	303	555-1234	303	555-4321	N
ABC Operating	1313 Mockingbird Lane	DENVER	CO	80202	303	555-1234	303	555-4321	N
ABC Operating	1313 Mockingbird Lane	DENVER	CO	80202	303	555-1234	303	555-4321	N
ABC Operating	1313 Mockingbird Lane	DENVER	CO	80202	303	555-1234	303	555-4321	N
ABC Operating	1313 Mockingbird Lane	DENVER	CO	80202	303	555-1234	303	555-4321	N
ABC Operating	1313 Mockingbird Lane	DENVER	CO	80202	303	555-1234	303	555-4321	N
ABC Operating	1313 Mockingbird Lane	DENVER	CO	80202	303	555-1234	303	555-4321	N
ABC Operating	1313 Mockingbird Lane	DENVER	CO	80202	303	555-1234	303	555-4321	N

Columns P – R - API Numbers

- API County Code
  - Code for the county in which the well is located
- API Sequence Number
  - Unique sequence number for the county
  - Limited to 5 numbers
- Sidetrack number
  - A sidetrack is any wellbore that extends from the originally drilled wellbore.
  - A well may have more than one actively producing sidetrack
  - Original wellbore is listed as 0
  - Field is required

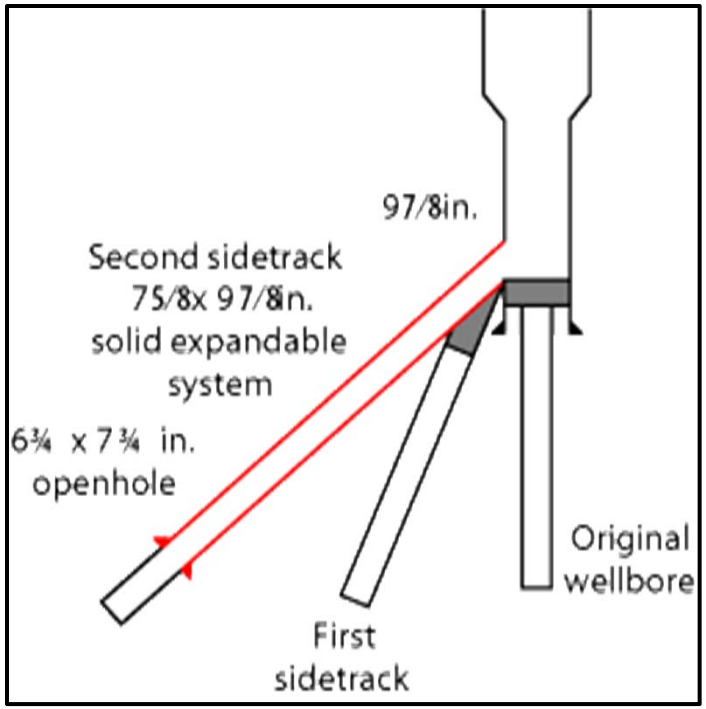
P	Q	R	S
county_code	api_seq_num	sidetrack_num	well_name_num
1	8085	1	HAPPY DAYS 1
81	10850	0	LAVERNE 2
123	8133	0	SHIRLEY 3
123	10846	0	LOVE BOAT 4

Sidetracks

Any new wellbore purposely or unintentionally kicked off from an existing wellbore. This results in multiple wellbores within a single well.

Sidetrack

Fischer, P. (2008). Oil Country Tubular Goods. *World Oil Online*, *229*(7), doi: Fig. 2



Column S – Well Name

- Well name and number
  - Well name cannot contain commas

P	Q	R	S
county_code	api_seq_num	sidetrack_num	well_name_num
199	10847	1	HAPPY DAYS 1
199	10850	0	LAVERNE 2
199	10849	0	SHIRLEY 3
199	10846	0	LOVE BOAT 4

Column T – Formation Code

- COGCC has implemented formation codes, up to five characters, which are used to abbreviate formation names including formation combinations.
- Each completed formation is to be reported separately even if it is commingled down hole.
  - With the exception of common sources.

S	T
well_name_num	formation_code
HAPPY DAYS 1	WFCM
LAVERNE 2	WMFK
SHIRLEY 3	WFCM
LOVE BOAT 4	WFCMC
LOVE BOAT 4	COZZ
DUKES HZZRD 6	WMFK

Common Sources

These are the ONLY formations that can be commingled on the Form 7.

Paradox Basin	Ismay and Desert Creek (IS-DC)
San Juan Basin	Pt Lookout, Menefee, Cliff House (ME-PL)
Hugoton Embayment	Lansing, Kansas City (LGKC)
Uintah Piceance Basins	Mancos A, Mancos B, Castlegate, Emery, Morapos (CSGEM, MR-MN, CSGMN)
Uintah Piceance Basins	Wasatch "A", "B", "D", "F", "G"
Piceance Basin	Williams Fork, Cameo Sands, Cameo Coals, Ohio Creek (WFCM, WFCMS, WFCMC)
Raton Basin	Raton, Vermejo (RT-VJ)
Spindle Field	Sussex, Shannon (SX-SN)
Wattenberg Spaced Area	Codell, Carlisle, Niobrara, Fort Hays, Timpas (CD-FH, NB-FH, NBFHC, NB-CD)

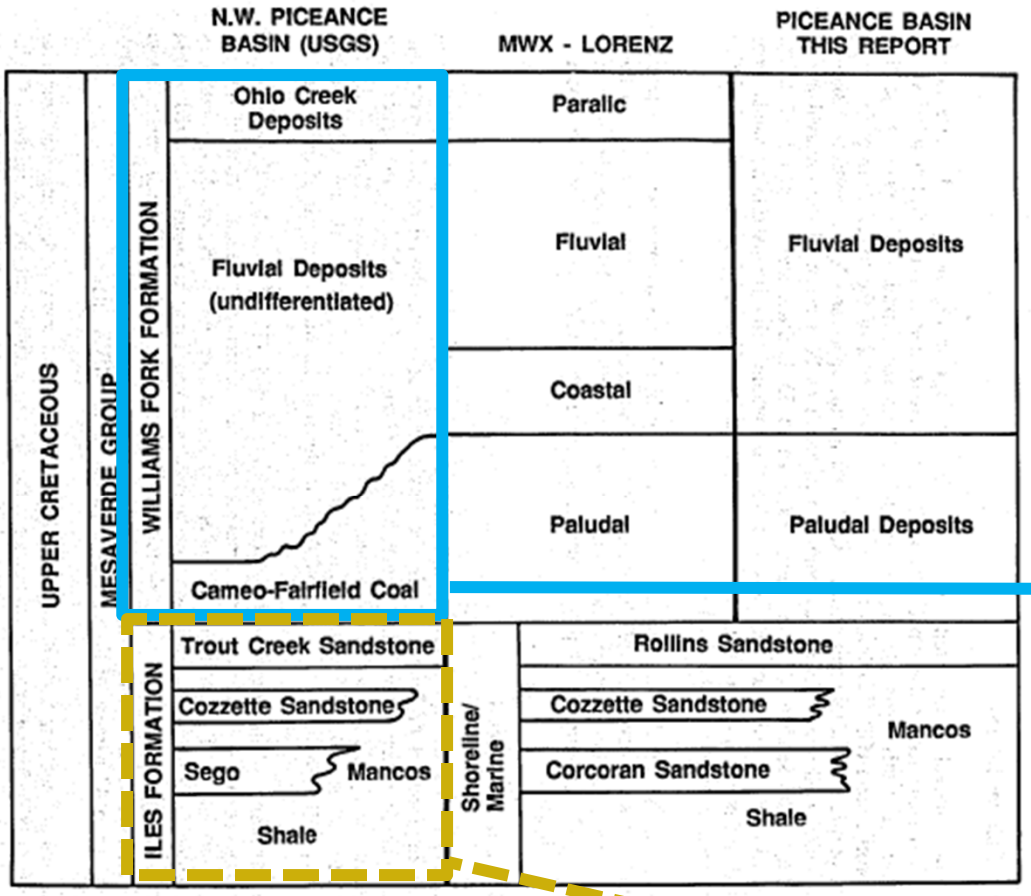


Figure 3 Stratigraphic Nomenclature Used in This Report Compared With That of Lorenz (1983) and Johnson (1987)

Mesaverde Group
Piceance Basin
Common Sources

Williams-Fork
Cameo Coal
Ohio Creek

Iles Formations are not common sources

Columns U & V – Well Status and Days Produced

- Well Status – Column U
  - A well must be reported from the month that it is spud until it has been reported for one month as abandoned.
  - Status codes must be entered for each well, each month.
- Days Produced – Column V
  - This column is completed only for PR and IJ status – then enter the number of days the well produced/ injected for the month.
  - For all other codes leave blank
  - There aren't 31 days in February

DG	Drilling	All wells shall be reported from the time they are spudded.
WO	Waiting on Completion	A well that has been drilled to total depth but has not been completed or plugged.
PR	Producing	A well completion which has produced fluids during the month.
IJ	Injecting	A well completion which has received fluids during the month
SI	Shut in	A well completion, which ***IS CAPABLE*** of production or injection, but had no activity for the month.
TA	Temporarily Abandoned	A well completion which ***IS INCAPABLE*** of production or injection until equipped or work performed.
AB	Abandoned	A well completion which has been permanently abandoned.
PA	Plugged and Abandoned	All completions in the well have been permanently abandoned and the casing is plugged at the surface.
DA	Dry and Abandoned	A well that has been drilled, never produced and permanently plugged with the casing plugged at the surface.

Well Status Codes

Status Code SI & TA

Shut-In (SI)	Temporarily Abandoned (TA)
• SHUT-IN WELL shall mean a well which **IS** capable of production or injection by opening valves, activating existing equipment or supplying a power source.	• TEMPORARILY ABANDONED WELL shall mean a well which is **incapable** of production or injection without the addition of one or more pieces of wellhead or other equipment, including valves, tubing, rods, pumps, heater-treaters, separators, dehydrators, compressors, piping or tanks.

*Shut-In and Temporarily Abandoned formations are still required to be reported monthly.

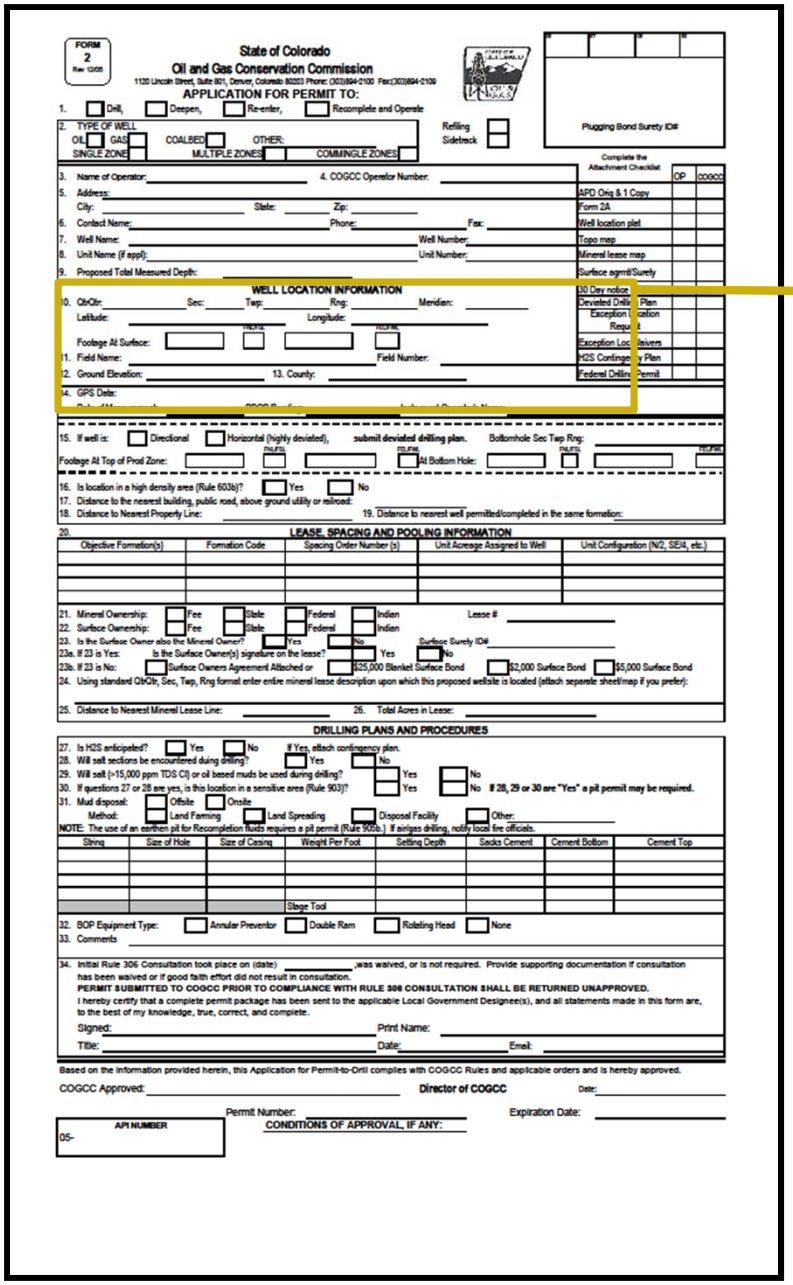
Columns W – Z - Location Information

- All locations are surface locations
  - Current locations are on the Scout Card
  - Lots and tracks are allowed

W	X	Y	Z
qtrqtr	sec	twp	range
NESE	7	6S	66W
NESE	7	6S	65W
NWSW	8	6S	64W
NWSW	8	6S	63W
NWSW	8	6S	62W

Surface Location Data for API # 05-005-06150 Status: DA

Well Name/No:	BURNET #1	(click well name for production)	
Operator:	ACKMAN-SCHULEIN & ASSOC., LTD - 588		
Status Date:	12/29/1970	Federal or State Lease #:	
County:	ARAPAHOE #005	Location:	NENE 12 5S 63W 6 PM
Field:	WILDCAT - #99999	Elevation:	5,622 ft.
Planned Location	660 FNL 660 FEL	Lat/Long: 39.634856/-104.381423	Lat/Long Calculated From Footages



FORM 2 Rev 10/05

State of Colorado
Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax:(303)894-2109

APPLICATION FOR PERMIT TO:

1. ☐ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL
OIL ☐ GAS ☐ COALBED ☐ OTHER:
SINGLE ZONE ☐ MULTIPLE ZONES ☐ COMMINGLE ZONES ☐
Refiling ☐ Sidetrack ☐

Plugging Bond Surety ID#

3. Name of Operator: 4. COGCC Operator Number:
5. Address:
City: State: Zip:
6. Contact Name: Phone: Fax:
7. Well Name: Well Number:
8. Unit Name (if appl): Unit Number:
9. Proposed Total Measured Depth:

Complete the Attachment Checklist

	OP	COGCC
APD Orig & 1 Copy		
Form 2A		
Well location plat		
Topo map		
Mineral lease map		
Surface agmt/Surety		
30 Day notice		
Deviated Drilling Plan		
Exception Location Request		
Exception Loc Waivers		
H2S Contingency Plan		
Federal Drilling Permit		

WELL LOCATION INFORMATION

10. Qtr/Qtr: Sec: Twp: Rng: Meridian:
Latitude: Longitude:
Footage At Surface: FNL/FSL FEL/FWL
11. Field Name: Field Number:
12. Ground Elevation: 13. County:
14. GPS Data:

15. If well is: ☐ Directional ☐ Horizontal (highly deviated), submit deviated drilling plan. Bottomhole Sec Twp Rng:
Footage At Top of Prod Zone: FNL/FSL FEL/FWL At Bottom Hole: FNL/FSL FEL/FWL
16. Is location in a high density area (Rule 603b)? ☐ Yes ☐ No
17. Distance to the nearest building, public road, above ground utility or railroad:
18. Distance to Nearest Property Line: 19. Distance to nearest well permitted/completed in the same formation:

20. LEASE, SPACING AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number (s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)

21. Mineral Ownership: ☐ Fee ☐ State ☐ Federal ☐ Indian Lease #
22. Surface Ownership: ☐ Fee ☐ State ☐ Federal ☐ Indian
23. Is the Surface Owner also the Mineral Owner? ☐ Yes ☐ No Surface Surety ID#
23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☐ Yes ☐ No
23b. If 23 is No: ☐ Surface Owners Agreement Attached or ☐ $25,000 Blanket Surface Bond ☐ $2,000 Surface Bond ☐ $5,000 Surface Bond
24. Using standard Qtr/Qtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):
25. Distance to Nearest Mineral Lease Line: 26. Total Acres in Lease:

DRILLING PLANS AND PROCEDURES

27. Is H2S anticipated? ☐ Yes ☐ No If Yes, attach contingency plan.
28. Will salt sections be encountered during drilling? ☐ Yes ☐ No
29. Will salt (>15,000 ppm TDS Cl) or oil based muds be used during drilling? ☐ Yes ☐ No
30. If questions 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☐ No If 28, 29 or 30 are "Yes" a pit permit may be required.
31. Mud disposal: ☐ Offsite ☐ Onsite
Method: ☐ Land Farming ☐ Land Spreading ☐ Disposal Facility ☐ Other:
NOTE: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 906.) If airgas drilling, notify local fire officials.

String	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
			Stage Tool				

32. BOP Equipment Type: ☐ Annular Preventor ☐ Double Ram ☐ Rotating Head ☐ None
33. Comments

34. Initial Rule 306 Consultation took place on (date) ,was waived, or is not required. Provide supporting documentation if consultation has been waived or if good faith effort did not result in consultation.
PERMIT SUBMITTED TO COGCC PRIOR TO COMPLIANCE WITH RULE 306 CONSULTATION SHALL BE RETURNED UNAPPROVED.
I hereby certify that a complete permit package has been sent to the applicable Local Government Designee(s), and all statements made in this form are, to the best of my knowledge, true, correct, and complete.
Signed: Print Name:
Title: Date: Email:

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.
COGCC Approved: Director of COGCC Date:
Permit Number: Expiration Date:
API NUMBER 05- CONDITIONS OF APPROVAL, IF ANY:

Location Information

*If a new APD or Sundry Notice has been filed, it will update the location on the Scout Card.

Columns AA – AE - Oil Production & Oil Sales

- BOM – Beginning of Month Inventories
  - This number should match the EOM figure from the previous month
  - Partial barrels round up
  - WHOLE NUMBERS ONLY
- Oil Prod – Produced Oil - AB
  - Enter the number of barrels of oil ONLY produced for the month.
  - Do not include water production in this column.
  - Partial barrels round up
  - WHOLE NUMBERS ONLY
- Oil Sold
  - Enter the number of barrels sold for the month
  - WHOLE NUMBERS ONLY

Columns AA – AE - Oil Production & Oil Sales

- Oil Adjustments
  - Use this column for BSW (Basic Sediment and Waste) or for transferring of inventory from one tank to another.
  - When an adjustment needs to be subtracted from inventory, enter as a negative number (e.g., -10)
    - Inventory without a negative symbol is taken as a positive adjustment
- EOM – End of Month Inventory
  - Use oil formula to verify your figures
  - Partial barrels round up

Calculation Formulas

Formulas

OIL

BOM + Oil Produced – Oil Sold +/- Adjustments = EOM

**If there are oil sales, a gravity is required*

GAS

Gas Produced – Flared – Used – Shrink = Sold

**If there are gas sales, a BTU is required*

SHRINK

Gas Produced – Flared – Used – Gas Sold = Shrink

Columns AF – AJ - Gas Production & Gas Sales

- Gas Produced/ Injected
  - Gas is reported in 1,000 cubic feet (MCF) volumes
  - If this is a gas injection well, enter the volumes injected
  - For gas injection wells, the Gas formula is not used
  - **Enter Whole Numbers Only**
- Gas Flared
  - If venting or flaring gas, enter volume vented or flared in MCF
  - **Enter Whole Numbers Only**
- Gas Used
  - Volume of gas used on lease
  - **Enter Whole Numbers Only**

Columns AF – AJ - Gas Production & Gas Sales

- Gas Shrink
  - To calculate shrink on the Form 7:
    - Gas Produced – Gas Used – Gas Sold = Gas Shrink
  - **Enter Whole Numbers Only**
- Gas Sold
  - Total gas sold in MCF
  - **Enter Whole Numbers Only**

Columns AK & AL - Oil Gravity & Gas BTU

- Oil Gravity
  - Enter SPECIFIC gravity for oil sold
    - Oil gravity is only required when there are oil sales, otherwise leave cell blank
  - Decimals are allowed in this cell
- Gas BTU
  - Enter BTU content for gas sold
    - Gas BTU is only required when there are gas sales, otherwise leave cell blank
  - Enter this number as a whole number

*Gas BTU's should not be split by allocations.

Columns AM & AN
Water Production & Water Disposal Codes

- Water Production
  - Use this column to report water production (on producing oil/ gas wells)
  - Or injected water volumes for injection or disposal wells
  - For producing wells – this volume is not included in the oil or gas produced figure
- Water Disposal Code
  - **This column is for producing wells ONLY**
  - The method of water disposition is to be reported by a single character

Water Disposal Codes

M	Commercial Disposal facility	Pay for water disposal
C	Central Disposal pit or well	Operator owned disposal facility
P	Onsite Pit	
I	Injected on lease	
S	Surface Discharge	Requires CDPHE Approval

WATER DISPOSAL CODES ARE REQUIRED FOR PRODUCED WATER

Columns AO – AR
Water/ Gas Casing & Tubing Pressure

- Water Casing & Tubing Pressure
  - For Water Injection wells – Enter the tubing and casing pressures
  - **Required when there are injection volumes**
  - **Enter whole numbers ONLY**
- Gas Casing & Tubing Pressure
  - For gas injection wells – Enter the tubing and casing pressures
  - **Required when there are injection volumes**
  - **Enter Whole Numbers Only**

Columns AS – AV - Signature, Date and Title

- Submit Name
  - The name of the individual filing the report
- Signature
  - This cell is ALWAYS “Y”
- Submit Title
  - The title of the individual filing the report
- Submit Date
  - The date the report is being submitted
  - MM/DD/YYYY

These cells must appear on every line of the report

Form 7 Error Report

ERROR REPORT DEFINITIONS

Generic Form 7 Error Messages

1. Prod days or inj. Values missing
2. Water prod/ inj. Is incorrect or null
3. Gas injected is null
4. Water inj. Press > max or is null
5. Well does not match operator
6. Shut-In well cannot have production
7. Prod/ Inject (Gas) incorrect calc
8. EOM (Oil) incorrect calc
9. BTU is null, gas sold is not null
10. Gas sold is null, BTU is not null
11. Out of range or prod not sold
12. Status not IJ PR TA PA SI WO DG
13. QQ/ Sec/ Twp/ Range not found or is null

Error Message Definitions

1. Prod days or inj. Values missing	2. Water prod/ inj. Is incorrect or null
• Missing number of days the well produced or injected. • Well status is PR or IJ and there are no production/ injection volumes are reported.	• If the status is changed to SI (Shut-In), the error will clear. • Need to provide volumes for water injection. • Water produced/ injected is empty and the Water Disposal Code column has an entry or vise-versa.

Error Message Definitions

3. Gas Injected is null	4. Water inj. Press > max or null
• If well status is changed to SI (Shut-In), the error will clear. • Need gas injection volumes.	• If well status is changed to SI (Shut-In), the error will clear if there are no reported injected volumes. • If well had injection volumes, the Water TBG/ CSG or Gas TBG/ CSG pressures have exceeded maximum allowable pressure. *Water TBG/ CSG or Gas TBG/ CSG pressures are required for injection wells.

Error Message Definitions

5 .Well does not match operator

- Verify well name and API number.
- Check completed formation information – If well status on the Scout Card is showing PR, SI, TA, IJ or PA – verify completed formation.
- If the Scout Card and Form 7 formations are different, check what formation(s) were submitted on Form 5A (Completed Interval Report)
- If well status on the Scout Card is showing Status XX, we have not received and/ or processed Forms 5 (Well Completion Report) and 5A (Completed Interval Report).
- If status on error report is showing as WO or DG, the well is not completed yet, and will go into the system as an N-COM on the Scout Card.
- Verify operator name on the Scout Card. If operator name is different, then a Form 10 was submitted or needs to be submitted.

Error Message Definitions

6. Shut-In well cannot have production

- Report reflects production but the status is listed as SI (Shut-In). Either the production needs to be removed or the status needs to be changed to PR (Producing) with number of day produced.

Error Message Definitions

7. Prod/ Inject (Gas) incorrect calc	8. EOM (Oil) incorrect calc
• The Gas produced and Gas sold don't balance	• Oil BOM and Oil EOM don't balance. • Verify adjustments – if there is an adjustment, there should be a negative symbol for a negative figure. No symbol is required for a positive figure. • Check your math

Error Message Definitions

9. BTU is null, gas sold is not null	10. Gas sold is null, BTU is not null
• Operator is reporting gas sales but a BTU is missing. Error will clear by providing a BTU.	• No gas sales are being reported, but there is a BTU. Error will clear by removing the BTU.

Error Message Definitions

11. Out of range or prod not sold	12. Status not IJ PR TA PA SI WO DG
• Either there was oil sold and the gravity is blank or there were no oil sales and the gravity is not blank. • Follow the same procedures as for the BTU (#9 & 10).	• The status code is invalid. Use only approved status codes.

Error Message Definitions

13. QQ/ Sec/ Twp/ Range
Not found or is null

- The location submitted on the Form 7 doesn't match the location on the Scout Card.
- Look up the legal description on the Scout Card.

Common Errors

COMMON FORM 7 ERRORS

Common Form 7 Errors

- Commas on excel spreadsheet
  - Submitted Form 7's are converted to a .csv file (Comma Delimited). During conversion, commas indicate new columns.
- Decimals on spreadsheet
  - Production should be submitted in whole numbers only. During conversion process, excel doesn't round correctly.
- Spreadsheet formatting
  - Operators submit Form 7's with a different format or have extra columns.
- Missing information
  - Not carrying operator contact information to all the lines on the report.
  - Not electronically signing and dating reports
- Sidetrack Information
  - Wells are being reported with missing sidetrack information or are reported with an incorrect sidetrack.

N-COM Formation

NOT COMPLETED

N-COM Formation

Not Completed

- N-COM Formation Code is used in place of the actual producing formation when the COGCC does not have a submitted and approved 5A.
- Once the 5A has been submitted and approved, the N-COM will then be replaced with the formation code.

COGIS - WELL Information

Scout Card | Related | Insp. | MIT | NOAV | GIS | Doc | Review | COA | Wellbore | Orders

Surface Location Data for API # 05-123-34504 — Status: XX

Well Name/No:	SCHNEIDER USX II #31-25D	(click well name for production)	
Operator:	NOBLE ENERGY INC - 100322		
Status Date:	10/5/2011 6:36:51 PM	Federal or State Lease #:	
County:	WELD #123	Location:	SESW 31 7N 66W 6 PM
Field:	WATTENBERG - #90750	Elevation:	4,906 ft.
Planned Location	833 FSL 1979 FWL	Lat/Long: 40.52582/-104.82507	Lat/Long Source: Field Measured

Wellbore Data for Sidetrack #00 — Status: XX — 9/9/2011

Spud Date:	12/22/2011	Spud Date is:	NOTICE
Wellbore Permit		**DIRECTIONAL**	
Permit #:		Expiration Date:	10/4/2013 6:36:51 PM
Prop Depth/Form:	7630	Surface Mineral Owner Same:	N
Mineral Owner:	FEE	Surface Owner:	FEE
Unit:		Unit Number:	
Formation and Spacing:	Code: CODL , Formation: CODELL , Order: UNSPACED , Unit Acreage: 160, Drill Unit: SW/4		
Formation and Spacing:	Code: NBRR , Formation: NIOBRARA , Order: UNSPACED , Unit Acreage: 160, Drill Unit: SW/4		
Casing:	String Type: SURF , Hole Size: 12.5, Size: 8.625, Top: 0, Depth: 850, Weight: 24		
Cement:	Sacks: 352, Top: 0, Bottom: 850, Method Grade:		
Casing:	String Type: 1ST , Hole Size: 7.875, Size: 4.5, Top: 0, Depth: 7630, Weight: 11.6		
Cement:	Sacks: 839, Top: , Bottom: 7630, Method Grade:		
Wellbore Completed			
Completion Date:	N/A		
Measured TD:		Measured PB depth:	
True Vertical TD:		True Vertical PB depth:	
Top PZ Location:	Sec: 31 Twp: 7N 66W	Footage: 1412 FFSLL 1212 FFWLL	Depth
Bottom Hole Location:	Sec: 31 Twp: 7N 66W	Footages: 1412 FFSLL 1212 FFWLL	Depth

Formation	Log Top	Log Bottom	Cored	DSTs

Completed information for formation N-COM

1st Production Date:	N/A	Choke Size:	
Status Date:	3/14/2012	Open Hole Completion:	
Commingled:		Production Method:	
Formation Name:	NOT COMPLETED	Status:	PR
Formation Treatment:			
Tubing Size:		Tubing Setting Depth:	
Tubing Packer Depth:		Tubing Multiple Packer:	
Open Hole Top:		Open Hole Bottom:	

No Initial Test Data was found for formation N-COM .

No Perforation Data was found for formation N-COM .

COGIS - Monthly Well Production

PRODUCTION DATA REPORT -- GIS

API #:	05-123-34504	Location:	SESW 31 7N 66W 6
Field:	WATTENBERG	Field Code:	90750
Facility Name:	SCHNEIDER USX II	Facility #:	31-25D
Operator Name:	NOBLE ENERGY INC	Operator #:	100322

PRODUCTION YEAR: All

							OIL						Water Prod	Water(psig)	
							BOM	Produced	Sold	Adj.	EOM	Gravity		Tbg.	Csg.
Year	Month	Formation	Sidetrack	Well Status	Days Prod	Product	GAS						Water Disp. Code	Gas (psig)	
							Prod	Flared	Used	Shrinkage	Sold	BTU		Tbg.	Csg.
2012	Jan	NOT COMPLETED	00	PR	11	Oil ->		609	535	-1	73	43.9	240		
						Gas ->	1,047				1,047	1,268	I		

Delinquent Production

FORM 7 DELINQUENT REPORT

Delinquent Production Report

- Delinquent production report contains wells that are missing a Form 7 for a specific month/ year
- Our database isn't an automated system. If you want a copy of your Delinquent Production Report, submit an email to:
  - DNR_OGCC.Eforms@state.co.us
  - Operator Name
  - Operator Number

YOUR OPERATOR NAME - 123456

Delinquent Monthly Production Reports

10 Total Missing Reports - Listed by API Number

API	Formation	Well Name	Time Period	# of Missing Reports	Record in Workflow
099-99999-00	NB-CD	LOVE BOAT 1	10/2011 - 12/2011	3	
999-00999-00	WMFK	LAVERNE 2	2/2005, 6/2005-12/2005	7	

Delinquent Production vs. Form 7 Error Report

- Form 7 Error Report
  - Reports errors on a submitted Form 7
- Delinquent Production Report
  - Identifies missing Form 7's for a specific month and year.

Certification of Clearance/ Change of Operator

DELINQUENT PRODUCTION AND CHANGE OF OPERATOR (FORM 10)

Certification of Clearance and/or Change of Operator

COGCC Form 10

- Approximately 30% of all wells are transferred each year
- If production is not current, the Change of Operator will not occur until all delinquent production is addressed
  - This prevents an NOAV (Notice of Alleged Violation) to the new operator
- COGCC does not transfer PA, DA or AL wells

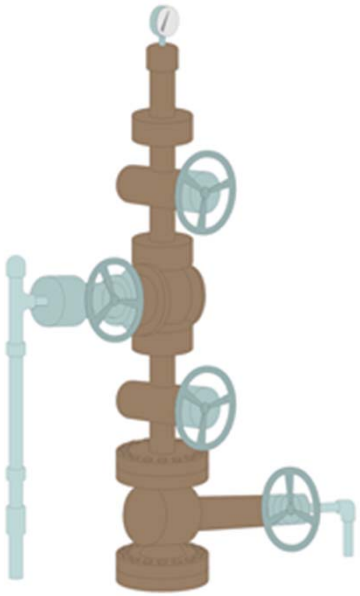
NGL’s

NATURAL GAS LIQUIDS

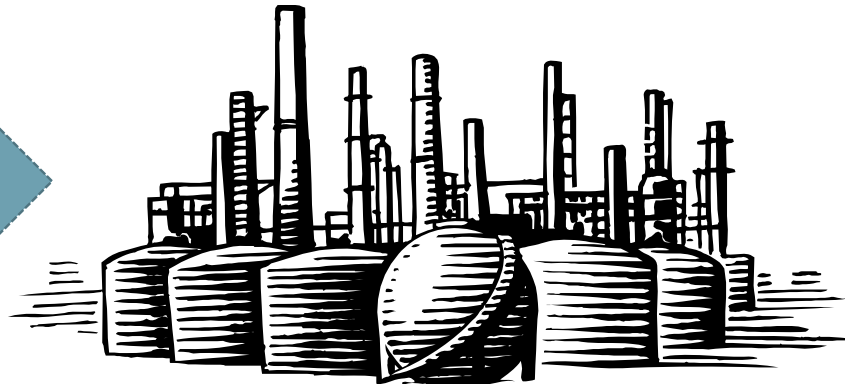
NGL's (Natural Gas Liquids)

- Are NGL's reported on the Form 7?
  - Yes. They are to be reported along with the Natural Gas (Gas).
- Why are NGL's and Natural Gas (Gas) reported together if one is a liquid and one is a gas?
  - Although NGL's exist in a liquid state due to cryogenic processing, the hydrogen and carbon molecules become gaseous at normal pressures/ temperatures.
  - NGL's are heavier gaseous hydrocarbons:
    - Ethane (C_2H_6)
    - Propane (C_3H_8)
    - Normal Butane (n-C_4H_{10})
    - Isobutane (i-C_4H_{10})

Form 7 (Monthly Report of Operations) & Form 11 (Gas Plant Monthly Report)



GAS PIPELINE



Monthly Report of Operations
(Form 7)

Gas Plant Monthly Report
(Form 11)

Q & A

Open Forum Questions