



02054347

- Amended -

State of Colorado  
Oil and Gas Conservation Commission

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

## WELL ABANDONMENT REPORT

Submit original plus one copy. This form is to be submitted as an intent whenever a plugging is planned on a borehole. The approved intent shall be valid for twelve months after the approval date after that period a new intent will be required. After the plugging is complete, this form and one copy shall again be submitted as a subsequent report of the work as actually completed.

RECEIVED

MAR 11 2010

COGCC

COGCC Operator Number: 10084

Name of Operator: Pioneer Natural Resources USA, Inc.

Address: 1401 17th Street - Suite 1200

City: Denver State: CO Zip: 80202

Contact Name &amp; Telephone

Joy A. Ziegler

No: 303-675-2663

Fax: 303-294-1275

24 hour notice required,  
contact:

API Number 05-103-08982

Well Name: Taiga Mtn

Well Number: 6-14-1-103

Location (QtrQtr, Sec, Twp, Rng, Meridian): NESW, 14-T1N-R103W 6th PM

County: Rio Blanco

Federal, Indian or State Lease Number: C-17543

Field Name: Taiga Mountain

Field Number: 80815

Complete the  
Attachment Checklist

Oper OGCC

Wellbore Diagram		
Cement Job Summary	✓	
Wireline Job Summary		

☐ Notice of Intent to Abandon☒ Subsequent Report of Abandonment

## Only Complete the Following Background Information for Intent to Abandon

Latitude:

Longitude:

GPS Data:

Date of Measurement:

PDOP Reading:

Instrument Operator's Name:

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems ☐ OtherCasing to be Pulled: ☐ Yes ☐ No Top of Casing Cement:Fish in Hole: ☐ Yes ☐ No If yes, explain details belowWellbore has Uncemented Casing Leaks: ☐ Yes ☐ No If yes, explain details below

Details:

## Current and Previously Abandoned Zones

Formation	Perforations - Top	Perforations - Bottom	Date Abandoned	Method of Isolation (None, Squeezed, BP, Cement, etc.)	Plug Depth
Mancos	4945	4985	11/11/08	Squeeze	3356

## Casing History

String	Size of Hole	Size of Casing	Weight per ft	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
Surf	12-1/4"	9-5/8"	36#	360'	Unknown sx "G"	360	0
Intermediate	8-3/4"	7"	23#	3714'	300 sx LoDense, 150 sx	Unknown	Unknown
Prod	6-1/4"	4-1/2"	11.6#	5228	125 sx Mod Self Stress	5228	3946

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 5135 with 10 sacks cmt on top. CIBP #2: Depth with sacks cmt on top.

NOTE: Two (2) sacks cement required on all CIBPs.

Set 20	sks cmt from 5398	ft. to 5135	ft. in	<input type="checkbox"/> Casing	<input type="checkbox"/> Open Hole	<input type="checkbox"/> Annulus
Set 75	sks cmt from 3800	ft. to 3336	ft. in	<input type="checkbox"/> Casing	<input type="checkbox"/> Open Hole	<input type="checkbox"/> Annulus
Set	sks cmt from	ft. to	ft. in	<input type="checkbox"/> Casing	<input type="checkbox"/> Open Hole	<input type="checkbox"/> Annulus
Set	sks cmt from	ft. to	ft. in	<input type="checkbox"/> Casing	<input type="checkbox"/> Open Hole	<input type="checkbox"/> Annulus
Set	sks cmt from	ft. to	ft. in	<input type="checkbox"/> Casing	<input type="checkbox"/> Open Hole	<input type="checkbox"/> Annulus

Perforate and squeeze at ft. with sacks Leave at least 100 ft. in casing

Perforate and squeeze at ft. with sacks Leave at least 100 ft. in casing

Perforate and squeeze at ft. with sacks Leave at least 100 ft. in casing

Set 25 sacks half in, half out surface casing from 267 ft. to 137 ft.

Set 15 sacks at surface

Cut four feet below ground level, weld on plate

Set sacks in rat hole Dry-Hole Marker: ☒ Yes ☐ No

## Additional Plugging Information for Subsequent Report Only

Casing Recovered: 3750 ft. of 4-1/2 in. casing

Plugging date: 11/12/08

\*Wireline Contractor:

\*Cementing Contractor: Western Wellsite Service

Type of Cement and Additives Used: "G" Neat 15.8ppg 1.15ft^3/sk, No additives

\*Attach job summaries.

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

Print Name: Joy A. Ziegler

Email: joy.ziegler@pxd.com

Signed: Joy A. Ziegler

Title: Senior Engineering Tech

Date: 3/11/2010

OGCC Approved:

Title:

Date:

CONDITIONS OF APPROVAL, IF ANY:

NOT APPROVED

SEE ATTACHED EMAILS DATED 3/5/2010 AND 3/17/2010

David And

Windows Live Hotmail Print Message

## Job Log Federal 6-14

From: Bud Holman (budholman@hotmail.com)

Sent: Fri 11/14/08 6:37 AM

To: Harlan Hodge (harlanhodge@hotmail.com); Dave Rebol (daverebol@hotmail.com)

RECEIVED

JAN 21 2009

COGCC

## JOB LOG

Western Wellsite Services LLC

17509 MCR 14

Fort Morgan, Colorado 80701

Operator: Pioneer Natural Resources

Well: Taiga Mountain Federal 6-14-1N-103W.

Location: NESW, Sec-14, T1N, R103W

Date: 11-13-08

MIRU P&amp;A Rig.

LD 204 3/4" sucker rods and pump. Well started flowing. Killed well, ND wellhead and NU BOPs

Released tbng anchor. TOOH with 191 jnts of 2-3/8" tbng. LD on trailer. (Too short to stand back)

RIH with 4-1/2" CICR to 5135'. Pumped 20 sks under and 10 sks on top. LD tbng and stinger.

ND BOPs and casing head. MIRU wireline. Freepoint and cut casing at 3750'. LD 93 jnts of 4-1/2" casing.

RIH with 141 jnts of 2-3/8" tbng to 3800'. Pumped 75 sk plug. LD 40 jnts. Tagged plug at 3336'.

Tested 7" x 9-5/8" annulus to 1000 psi for 10 min. Held good.

Pulled up hole to 267'. Pumped 25 sk plug. LD tbng.

Dug out surface head and cut off casing. Pumped 15 sk surface plug in 7" and in 7" x 9-5/8" annulus.

Welded on cap and marker plate. Backfilled hole. RDMO

<http://b1111w.blv111.mail.live.com/mail/PrintShell.aspx?type=message&cpids=b4f2d35c-7ec9-46f3-bb...> 11/14/200

## Andrews, David

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**From:** Andrews, David  
**Sent:** Wednesday, March 17, 2010 1:05 PM  
**To:** 'Duran, Cody'  
**Cc:** Ziegler, Joy; Nilson, Gary; 'Betty\_Lau@blm.gov'; chadvannest@hotmail.com  
**Subject:** RE: Taiga Mtn 6-14 followup

Cody,

I understand that Betty Lau (BLM White River Field Office) has been in contact with Pioneer regarding this situation. Betty informed me that the plugging contractor (Western Wellsite Services) intends to re-enter this well on behalf of Pioneer to re-set downhole plugs. Within 30 days of completion of the work, submit a new Form 6 (Subsequent Report of Abandonment) and new work tickets for the re-entry and P&A.

Please make sure that your contractor is aware that the surface casing shoe plug should extend from 410' to 310'.

Thanks,

**David D. Andrews, P.E., P.G.**  
Engineering Supervisor - Western Colorado

**State of Colorado**  
**Oil and Gas Conservation Commission**  
707 Wapiti Court, Suite 204  
Rifle, Colorado 81650  
Office Phone: (970) 625-2497 Ext. 1  
Cell Phone: (970) 456-5262  
Fax: (970) 625-5682  
E-mail: [David.Andrews@state.co.us](mailto:David.Andrews@state.co.us)  
Website: <http://www.colorado.gov/cogcc>

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**From:** Duran, Cody [mailto:Christopher.Duran@pxd.com]  
**Sent:** Thursday, March 11, 2010 3:05 PM  
**To:** Andrews, David  
**Cc:** Ziegler, Joy; Nilson, Gary  
**Subject:** Taiga Mtn 6-14 followup

David,

I am sorry to be getting back to you at the last day. Bob is no longer with the company and I was out last week, and finally got to this. I will do my best to answer your questions.

1. I do not know why the CICR was set at 5135. The ten sacks on top should provide a TOC at 5003' which is still does not cover the perfs. The only thing I have in our defense is that the approval letter attached says that all plugs were verbally approved by Mike McLaren as well as signed off on 1/23/2009. .
2. I do not know why the surface casing shoe was pumped at 267' or if it even was pumped there. One report from the service provider has the tubing depth at 360' which is still not 50' below the shoe but better than 260'. There is also discrepancy from their reports as to the amount of cement pumped in this plug. One report says 25sks and one says 75sks, the 75sks provides 390' of fill in the 7" so they could not have been set at 267'. The wellbore diagram that I have attached shows that on the intermediate cement job, cement was circulated to surface so there is cement covering the surface shoe. It only took 2bbls to fill the surface-7" annulus when they pressure tested so that further shows that there is not much of a void in the annulus. Once again there is

conflicting reports on pressure, but at a minimum it was tested to 600psi for 10 minutes. One report shows 1000psi.

3. I have revised the form 6 to match the cement tickets and Joy has signed and attached. I have also attached a revision of your WBD to show my calculations and cement tops and bottoms.

I hope this satisfies your questions and concerns. I once again apologize for being last minute. My contact is below.

**Cody Duran**

Operations Manager-U/P Basin

**Pioneer Natural Resources**

1401 17<sup>th</sup> Street, Suite 1200

Denver, Colorado 80202

☎Office: (303) 675-2623

☎Fax: (303) 294-1265

📱Mobile: (303) 880-0790

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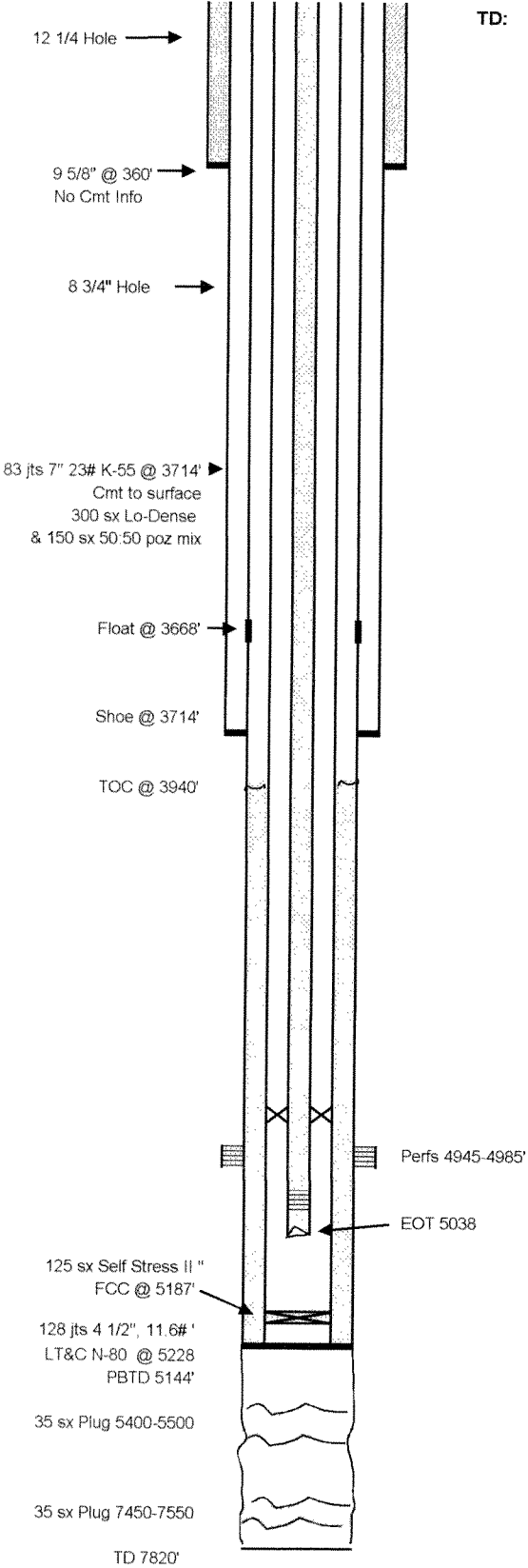
**Statement of Confidentiality:**

This message may contain information that is privileged or confidential. If you receive this transmission in error, please notify the sender by reply e-mail and delete the message and any attachments.

WELL NAME: Taiga Mountain 6-14-1N-103W  
Footage: 1644 FSL, 1701 FWL,  
LOCATION: Sec 14 Twp 1N Rge 103W  
FIELD: Taiga Mountain

GL: 5371  
KB: 5384  
API NO: 510308982  
PBSD: 5144  
TD: 7820

Surveys	Depth Ft
Degrees	
3/4	360
1	608
1	1016
3/4	2144
1 1/2	2867
Mud up	3714
2	4425
2 3/4	4754
7 1/2	5257
5 3/4	5476
5	5728
4 3/4	6008
5	6427
3 3/4	7075
3 1/2	7340



7/25/95 Rod Detail: 1 1 1/4"x15' Polished Rod  
1 4"x3/4" Pony Rod  
198 3/4" Rods  
Pump: 1 2" x 1 1/2"x16' RWBC pump  
1 1"x12' Gas Anchor

WELL HISTORY

12/6/1982 Spud well. Drill to 3716' Circ for DST #1 Drill to 3740' Ran 83 jts 7" 23# LT&C & ST&C K-55 csg w/float clr @ 3668'. Cmt w/ 300 sx LoDense tail w/ 150 sx 50:50 opoz mix w/ 5% KCL, 2% CaCl<sub>2</sub> . Circ cmt to surface. Mud up, encountered gas & condensate @ 4960'. Drill to 7820'. Log, could not get logs below 7600'. Set plug #1 @ 7550 7450' w/ 35 sx Cl-'H' neat cmt. Set plug #2 @ 5500 to 5400' w/ 35 sx Cl-'H' neat cmt. PU to 5200' & circ. Ran 128 jts 4 1/2" 11.6# LT&C N-80 csg total 5228' Float @ 5187'. Cmt w/ 125 sx Dowell Modified Self Stress II w/10#/sx D-42 & 5% KCl. Rig release 12/29/1982.  
2/10/1983 MIRU , ran CBL-DVL-CCL, PBSD 5144 to 3750' Good bond across Mancos. 2/15/83Perf Mancos 1 spf total 41 holes 4945' to 4985' . Ran 185 jts 2 3/8" tbg landed @ 4892.59'. Flow test well FTP 120-240 psi, CP 370 psi, Avg 250 mcf/d & 38 BO 0 BW in 7 hrs. 1st gas sales 9/28/83.  
3/2/1989 Shot FL, FL @ 3036' perfs @ 4945-85'. 47 degree API grav @ .345 psi/ft= 659 psi + 840 psi=1499 psi required to lift fluid.  
7/16/1993 Flow test well. SITP 200 psi, FTP 80 psi declined to 0 psi in 30 min.Repair leaking valves. Ran BHP bombs. Open well SITP 284 psi to 0 psi initially, built to FTP 114 psi in 45 min. Flow well 2 hrs FTP 20 psi. Rec'd 75.1/2 BO. in 2 hrs.  
6/6/1994 MIRU, Swab well, SICP 700 psi. SITP 0. Made 1 swab run to SN @ 5100'. Well kicked off & flow tbg to tank. RDMO.  
9/29/1994 Installed DH pump & rods.  
10/14/1994 Well not pumping, pulled pump & checked, made swab run, FL 3000'. Re-ran pump & rods.  
7/25/1995 Pull pump and replace w/ new 2"x 1 1/2"x16' RWBC pump.

Tubing Detail:  
189 jts 2 3/8 @ 5038'  
TAC @ 4848  
8 jts 2 3/8 @ 4852  
SN @ 5007'  
1 6' perf jt @ 5013'  
1 Mud jt @ 5038'

Notes:  
IBHP 1340 psig, 41 hr BU 1283 psig 7/19/93 after 3130 BO & 3262 mcfg.  
Potential: Mancos 'B' @ 4500; Castlegate @ 3338-44'; Coals; MV @ 978-981', all have good cmt.

Prepared by: ras/ddm

Date: 5/12/2003

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
C-17543

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

7. If Unit of CA/Agreement, Name and/or No.  
C-047693F

8. Well Name and No.  
Taiga Mtn 6-14-1-103

9. API Well No.  
05-103-08982

10. Field and Pool or Exploratory Area  
Taiga Mountain

11. Country or Parish, State  
Rio Blanco, CO

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Pioneer Natural Resources USA, Inc.

3a. Address  
1401 17th Street - Suite 1200  
Denver, CO 80202

3b. Phone No. (include area code)  
303-675-2663

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1644' FSL, 1701' FWI  
NESW, 14-1N-103W, 6th PM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

11/4/08 - 11/12/08

MIRU Western Wellsite Services - TOH w/204 3/4" rods - 193 jts 2-3/8" tbg. Set CIRC @ 5135' - put 20 sx under CIRC & 10 sx on top. Ran free point & cut csg @ 3750' - TOH w/93 jts 4-1/2". Mix & pump 75 sx "G" Neat cmt. Tag cmt @ 3356' - pulled up hole to 267', mixed and pumped 75 sx cmt, topped off well w/15 sx cmt. Well on cap 7 marker.

BLM elected not to witness in person; all plugs were verbally approved by Mike McLaren.

Will report Final Abandonment Notice when seeded and grass is well established.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Joy A. Ziegler

Title Senior Engineering Tech

Signature

Date 01/13/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Associate Field Manager

Date 01-23-09

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office White River Field Office-Mesker, CO

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.

(Instructions on page 2)

TIAGA MTN 6-14-1-103  
05-103-08982

$$15 \text{ SX @ SURF.} \quad \text{BOC} = 78'$$

$$15 \text{ SX} \left( \frac{1.15 \text{ ft}^3}{\text{SX}} \right) \left( \frac{4.524 \text{ ft}}{\text{ft}^3} \right) = 78'$$

$$25 \text{ SX @ 267'} \quad \text{TOC} = 157'$$

$$(267 \text{ ft}) - \left( (25 \text{ SX}) \left( \frac{1.15 \text{ ft}^3}{\text{SX}} \right) \left( \frac{4.524 \text{ ft}}{\text{ft}^3} \right) \right) = 137'$$

$$\text{TOC} = 230' \text{ if Tubing was @ } 360' \text{ as in our report}$$

$$9 \frac{5}{8}" \text{ CSG @ } 360'$$

ASSUMPTION MADE THAT  
TAC MADE IT UP INTO 7"-9 5/8"  
ANNULUS BASED ON PRESSURE  
TEST TO 1000 PSI FOR 10 min.

TAC ??? = surface from attached WBD

75 SX  
BTM @ 3800'  
TAG TOP  
@ 3336'

7" CSG @ 3714'

4 1/2" CSG CUT OFF @ 3750'

PROD. CSG TOC @ 3946'

CICR @ 5135'  
BELOW PERFS !!!  
20 SX BELOW  
10 SX ABOVE

MANCOS PERFS 4945'-4985'

TOC = 5803'

BOC = 5398'

4 1/2" CSG @ 5228'

$$5135 \text{ ft} + \left( (20 \text{ SX}) \left( \frac{1.15 \text{ ft}^3}{\text{SX}} \right) \left( \frac{11.459 \text{ ft}}{\text{ft}^3} \right) \right) = 5398 \text{ ft Bottom of Cement (BOC)}$$

$$5135 \text{ ft} - \left( (10 \text{ SX}) \left( \frac{1.15 \text{ ft}^3}{\text{ft}^3} \right) \left( \frac{11.459 \text{ ft}}{\text{ft}^3} \right) \right) = 5803 \text{ ft TOC}$$

## Andrews, David

---

**From:** Andrews, David  
**Sent:** Friday, March 05, 2010 8:45 AM  
**To:** 'Ziegler, Joy'; Sencenbaugh, Bob  
**Subject:** FW: Tiaga Mtn 6-14-1-103 P&A Procedures and As-Built Location Data  
**Attachments:** Tiaga Mtn 6-14-1-103 WBD and Cmt Ticket.PDF; Tiaga Mtn 6-14-1-103 Form 6 SRA.PDF  
  
**Importance:** High

Joy and Bob,

Based on your emails in February, I understood that Bob intended to get back with me on answers to my P&A Procedure questions shown below. Pioneer is past-due on a response to my request. Please reply no later than Thursday 3/11.

Joy previously informed me that GPS data was already submitted for this well. Please disregard my request below for as-built location data.

Thanks,

**David D. Andrews, P.E., P.G.**  
Engineering Supervisor - Western Colorado

**State of Colorado**  
**Oil and Gas Conservation Commission**  
707 Wapiti Court, Suite 204  
Rifle, Colorado 81650  
Office Phone: (970) 625-2497 Ext. 1  
Cell Phone: (970) 456-5262  
Fax: (970) 625-5682  
E-mail: [David.Andrews@state.co.us](mailto:David.Andrews@state.co.us)  
Website: <http://www.colorado.gov/cogcc>

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**From:** Andrews, David  
**Sent:** Wednesday, February 03, 2010 5:08 PM  
**To:** 'Ziegler, Joy'  
**Subject:** Tiaga Mtn 6-14-1-103 P&A Procedures and As-Built Location Data

Joy,

### P&A Procedures

COGCC received Pioneer's Form 6 (Subsequent Report of Abandonment) for Tiaga Mtn 6-14-1-103 (05-103-08982) on 1/21/2009. A cement ticket was provided with that Form 6. I sketched a wellbore diagram based on information provided on the Form 6 and the cement ticket (see attached). Please reply with an explanation for the following within 30 days:

1. Why was the CICR set at a depth of 5135', below the Mancos perforations from 4945' to 4985'? Pioneer's intent to abandon called for a cement squeeze into the perforations from 5000' to 4900'.
2. Why was the surface casing shoe plug pumped at a depth of 267'? Pioneer's intent to abandon called for a cement half-in/half-out of the surface casing from 410' to 310' (across the surface casing shoe at 360').
3. Plug depths on Form 6 (Subsequent Report of Abandonment) do not match the plug depths shown on the cement ticket. Form 6 is attached for your reference.



Did BLM approve plugging procedure changes (items 1 and 2 above)?

#### **As-Built Location Data**

COGCC received Pioneer's Form 6 (Notice of Intent to Abandon) for Tiaga Mtn 6-14-1-103 on 10/10/2008. COGCC approved that form on 1/16/2009, with a condition of approval that stated, "Operator to provide well location GPS coordinates on Subsequent Report of Abandonment in accordance with COGCC As-Built Location Policy and Rule 215." Pioneer did not provide GPS coordinates on Form 6 (Subsequent Report of Abandonment), received by COGCC on 1/21/2009.

COGCC's As-Built Location Policy requires, "...latitude and longitude coordinates in decimal degrees with an accuracy and precision of at least five (5) decimals of a degree using the NAD 83 datum (e.g.; latitude 37.12345 N, longitude 104.45632 W)."

Rule 215 is provided below for your reference:

#### **215. GLOBAL POSITIONING SYSTEMS**

Global Positioning Systems (GPS) may be used to locate facilities used in oil and gas operations provided they meet the following minimum standards of the Commission:

- a. Instruments rated as Differential Global Positioning System (DGPS) shall be used.
- b. Instruments shall be capable of one (1) meter accuracy after differential correction.
- c. All GPS data shall be differentially corrected by post processing prior to data submission.
- d. Position dilution of precision (PDOP) values shall not be higher than six (6) and shall be included with location data.
- e. Elevation mask (lowest acceptable height above the horizon) shall be no less than fifteen degrees (15°)
- f. Latitude and longitude coordinates shall be provided in decimal degrees with an accuracy and precision of five (5) decimals of a degree using the North American Datum (NAD) of 1983 (e.g.; latitude 37.12345 N, longitude 104.45632 W).
- g. Raw and corrected data files shall be held for a period of three (3) years.
- h. Measurements shall be made by a trained GPS operator familiar with the theory of GPS, the use of GPS instrumentation, and typical constraints encountered during field activities.

If Pioneer believes that there are extenuating circumstances that prevent it from obtaining as-drilled location data, then you may submit a Rule 502(b) variance request or you may request a hearing before the Commission. Note that having to return to the location to dig up the plate for the GPS measurement is not considered an extenuating circumstance. Considering that we currently have snow on the ground, I will give you until 6/30/2010 to 1) provide GPS coordinates in the required format and other supporting data (measurement date, instrument operator name and PDOP) or 2) submit a variance request with an explanation of extenuating circumstances which prevent you from complying with the as-built location requirement.

I will hold approval of Pioneer's Form 6 (Subsequent Report of Abandonment) until you respond to this request.

Thanks,

**David D. Andrews, P.E., P.G.**  
Engineering Supervisor - Western Colorado

**State of Colorado**  
**Oil and Gas Conservation Commission**  
707 Wapiti Court, Suite 204  
Rifle, Colorado 81650

Office Phone: (970) 625-2497 Ext. 1  
Cell Phone: (970) 456-5262  
Fax: (970) 625-5682  
E-mail: [David.Andrews@state.co.us](mailto:David.Andrews@state.co.us)  
Website: <http://www.colorado.gov/cogcc>

TIAGA MTN 6-14-1-103  
05-103-0898Z

