



Plugged and Abandoned Well Information for Local Planners

Dave Andrews • April 18, 2018

Well Work Challenges with Nearby Structures



Coming Soon: Policy Revision

Colorado Oil and Gas Conservation Commission Policy

For Plugged and Abandoned Wells

And Exploration and Production Waste

Encountered By Surface Development Projects

WHEREAS, Colorado is experiencing rapid surface development along the Front Range corridor, as well as in other areas of the state. Housing and commercial developments in these areas have the potential to encounter previously plugged and abandoned oil and gas wells that interfere with earth moving operations. When these activities encounter previously plugged and abandoned wells, it may be necessary to cut the casing below grade and re-abandon them.

WHEREAS, Re-abandonment operations on previously plugged and abandoned wells and remediation of exploration and production ("E&P") wastes are considered by the Colorado Oil and Gas Conservation Commission ("COGCC") to be "oil and gas operations" as defined in the Oil and Gas Conservation Act and in the COGCC Rules and Regulations, and may be required to be conducted by a registered operator who has provided financial assurance to ensure that the wells are properly plugged and abandoned.

NOW THEREFORE, The following are the requirements for re-abandonment operations when any oil or gas well is to be modified or when E&P waste is to be remediated because of encroaching surface development:

REQUIREMENTS FOR THE RE-ABANDONMENT OF PREVIOUSLY PLUGGED AND ABANDONED WELLS DUE TO ENCROACHING SURFACE DEVELOPMENT:

The following are required whenever the wellbore of a previously plugged and abandoned well is modified and re-abandoned because of encroaching surface development:

- (1) The surface developer or its designee that will conduct the re-abandonment operation shall be properly registered as an operator with the COGCC in accordance with Rule 302.

Current Policies and Notices to Operators

Can't find something? What you're looking for might be found under [Operator Guidance](#).

Search Policies:

Document	Adopted Date	Last Revised Date	Previous Versions	COGCC Work Unit	COGCC Review in Progress
Surface Development Policy	December 3, 2001	December 3, 2001		Engineering	Yes (Target 2018)

COGCC SURFACE DEVELOPMENT POLICY PLUGGED WELLS, ABANDONED FLOWLINES, AND EXPLORATION AND PRODUCTION WASTE ENCOUNTERED DURING SURFACE DEVELOPMENT PROJECTS




COGCC Consultation Point of Contact

Dave Andrews, Orphaned Well Manager

COGCC Rifle Office, 970-625-2497 x1

david.andrews@state.co.us

10/11/2012 11:06



Active Operator or Orphaned Well?

\$\$\$ Active Operator or
\$\$\$ Surface Developer or
\$\$\$ COGCC (orphaned well)

11 21 2017 10 08



Plug and Abandon Markers for Wells

- Above Grade
- Below Grade

08/31/2016 10:32

A photograph showing a well opening in a field. The well is a circular hole in the ground, surrounded by a wooden frame. A person's foot, wearing a tan boot, is visible at the top center of the frame. The ground is a mix of dirt and green vegetation. The text "Due Diligence: Plan Ahead" is overlaid in the top left corner.

*Due Diligence:
Plan Ahead*

Review COGCC's GIS Map
Layers and Well Files

10/10/2013 15:35



COLORADO

Oil & Gas Conservation Commission

Department of Natural Resources

COGCC Interactive Map

[Click HERE](#) to access interactive map

Map not working? Map layers not appearing? Please let us know!

First try calling:

Chris Eisinger: (303) 894-2100 x5111

Dennis Ahlstrand: (303) 894-2100 x5116

If you get our voicemail and want a faster response, you can also email us:

chris.eisinger@state.co.us

dennis.ahlstrand@state.co.us

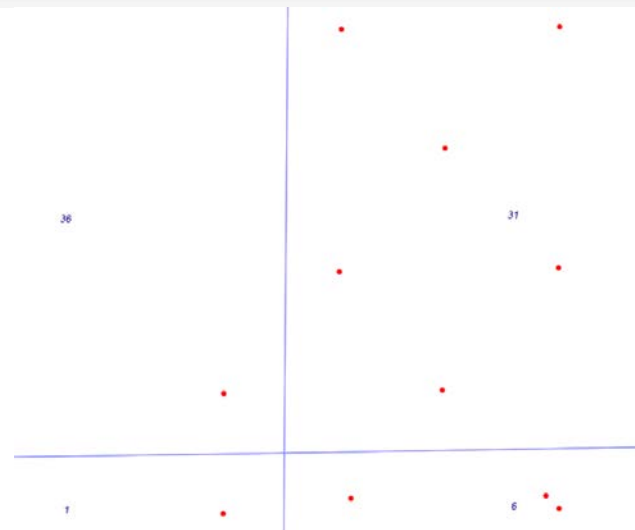
GIS Staff

Eisinger, Chris - GIS Supervisor
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chris.eisinger@state.co.us

Ahlstrand, Dennis - GIS Analyst
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Help

- [Geology Map Legends](#)
- [GIS Help](#)
- [Interpreting Directional Map Plots](#)
- [Map Tools Guide](#)



[Click here to open page in a new tab/window](#)

COGIS - WELL Information

Scout Card [Related](#) [Insp.](#) [MIT](#) [GIS](#) [Doc](#) [COA](#) [Wellbore](#) [Orders](#)

Surface Location Data for API # 05-001-06283 Status: PA 2/8/1990

Well Name/No.: [UPRR 10 PAN AM B #3](#) (click well name for production)
Operator: QUINOCO PETROLEUM INC - 72910
Status Date: 2/8/1990 Federal or State Lease #:
FacilityID: 200880 LocationID: 375424
County: ADAMS #001 Location: SESW 31 3S61W 6 PM
Field: HOMBRE - #36700 Elevation: 5,220 ft
Planned Location 660 FSL 1742 FWL Lat/Long: 39.740645/-104.25875 Lat/Long Calculated From Footages

Wellbore Data for Sidetrack #00 Status: PA 2/8/1990

Spud Date: 5/7/1971 Spud Date is: ACTUAL

Wellbore Permit

Permit #: 19710323 Expiration Date: 5/5/1972
Prop Depth/Form: 7095 Surface Mineral Owner Same: N
Mineral Owner: FEE Surface Owner:
Unit: Unit Number:

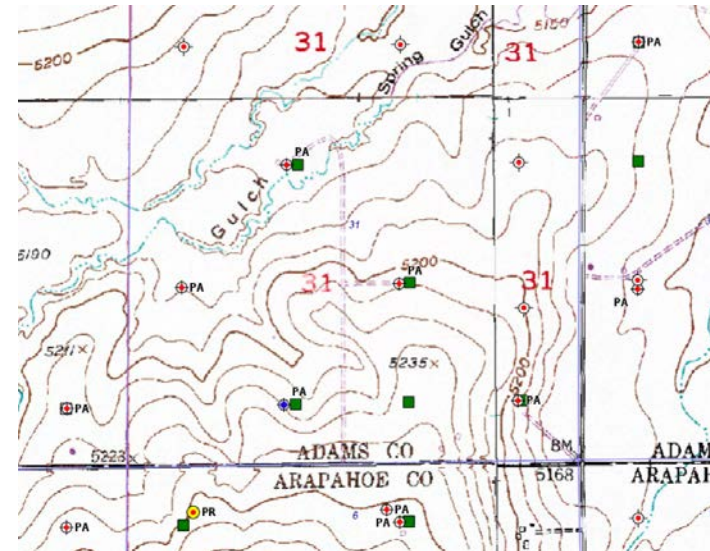
Formation and Spacing: Code: JSND , Formation: J SAND , Order: 0 , Unit Acreage: 80, Drill Unit: E2SW

Wellbore Completed

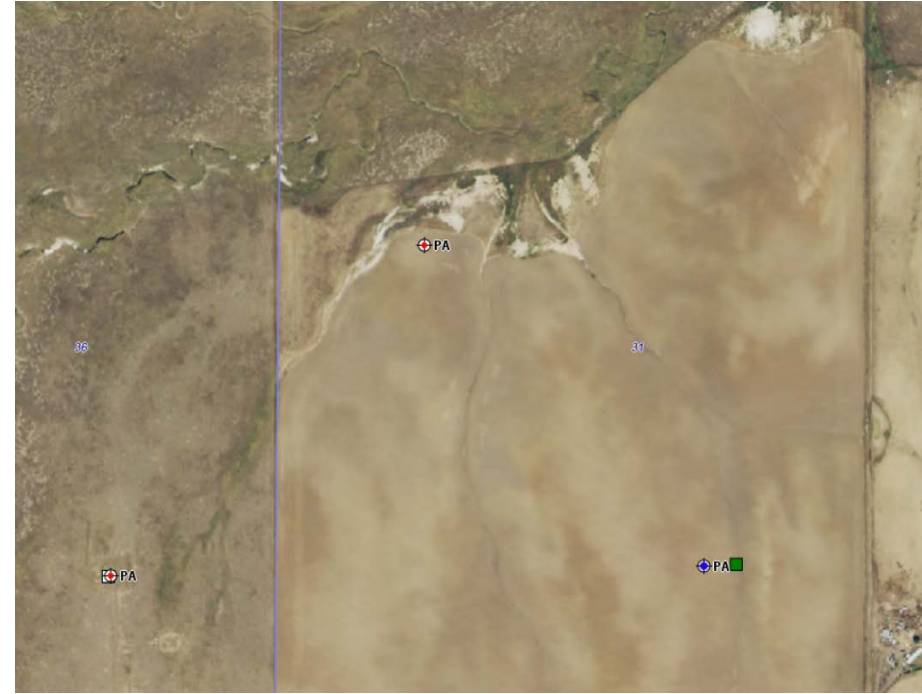
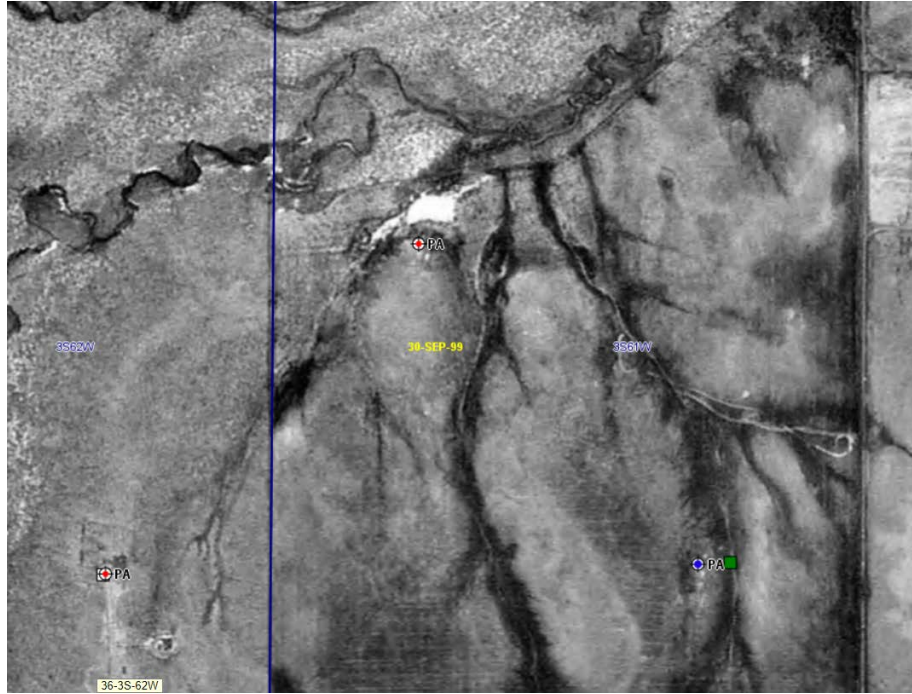
Completion Date: 5/25/1971
Measured TD: 7115 Measured PB depth: 7078
True Vertical TD: 7115 True Vertical PB depth:
Log Types: IES, FDC, GR, CALIPER
Casing: String Type: SURF , Hole Size: 12.25, Size: 8.625, Top: 0, Depth: 311, Weight: 24
Cement: Sacks: 325, Top: 0, Bottom: , Method Grade:
Casing: String Type: 1ST , Hole Size: 7.875, Size: 5.5, Top: 0, Depth: 7108, Weight: 14 x 15.5
Cement: Sacks: 550, Top: 0, Bottom: , Method Grade:

Formation	Log Top	Log Bottom	Cored	DSTs
D SAND	6922			
J SAND	6976			

COGIS Data & Maps



Aerial Photographs: 1990s vs. 2015



Document Identifier	Class	Document Number	Document Name	Date	Release Date	File Size (KB)	Download
00106283	Wells	401991	verbal request	05/06/1971	10/09/2008	22688	Download
00106283	Wells	401989	application for permit	05/07/1971	10/10/2008	54955	Download
00106283	Wells	401990	survey	05/11/1971	10/23/2008	26092	Download
00106283	Wells	401988	sundry notice	05/21/1971	10/11/2008	34905	Download

0002 FORM 1
REV. 7-67

OIL AND GAS CONSERVATION COMMISSION
DEPARTMENT OF NATURAL RESOURCES
THE STATE OF COLORADO
OFFICE OF PERMITS AND REGULATIONS
DIVISION OF OIL & GAS CONSERVATION

RECEIVED
MAY 28 1971
OFF 405-001-6883

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. NAME OF WELL: **WELL 3**

2. TYPE OF WELL: OIL GAS OTHER

3. NAME OF OPERATOR: **Amoco Production Company**

4. ADDRESS OF OPERATOR: **P. O. Box 1400, Live Oak, Wyoming 82501**

5. LOCATION OF WELL: **SE/4 Sec. 31, T35, R61W**

6. DATE OF WELL: **5/21/71**

7. TYPE OF OPERATION: **RECOMPLETION**

8. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA:

9. DATE OF WORK: **2-8-70**

10. PROPOSED PROCEDURE:

- MIRUSU, TOOH and lay down rods, pump and tbg
- Set CIBP above peris @ 7010' KB.
- Dump 50 ft of cnt on plug, fill hole w/ fluid
- Cut off csg below ground, 4' below ground level.
- Pump 10 ex cnt plug at surface 50' above of casing cement 17 1/2
- Reclaim & restore surface location
- Weld on steel cap over casing.

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

SIGNED: **Gina Pope** TITLE: **Production Technician** DATE: **1-15-90**

APPROVED BY: **Gina Pope** TITLE: **S.P.E.** DATE: **JAN 17 1990**

REPAIR LOCATION OF DV TOOL ON 200' STAKE CEMENT JOB, AS WELL AS ESTIMATED TOP OF CEMENT.

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DEPARTMENT OF NATURAL RESOURCES
THE STATE OF COLORADO
OFFICE OF PERMITS AND REGULATIONS
DIVISION OF OIL & GAS CONSERVATION

SUNDY NOTICES AND REPORTS ON WELLS

1. NAME OF WELL: **WELL 3**

2. TYPE OF WELL: OIL GAS OTHER

3. NAME OF OPERATOR: **Amoco Production Company**

4. ADDRESS OF OPERATOR: **P. O. Box 1400, Denver CO 80237**

5. LOCATION OF WELL: **SE/4 Sec. 31, T35, R61W**

6. DATE OF WELL: **5/21/71**

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8. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA:

9. DATE OF WORK: **2-8-70**

10. PROPOSED PROCEDURE:

- MIRUSU, TOOH and laydown rods, pump and tbg.
- Set CIBP @ 6850' - Dumped 2 to 3 x cnt on CIBP. Cut casing off 4' from surface. Pumped 10 x 50/50 POZ X 2% gel to surface. DV Tool @ 950'. Welded on steel cap. Backfilled hole.

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

SIGNED: **Gina Pope** TITLE: **Production Technician** DATE: **March 13, 1990**

APPROVED BY: **Gina Pope** TITLE: **DEPUTY DIRECTOR** DATE: **APR 16 1990**



COGIS - Inspection/Incident Inquiry

You requested : Inspection Information
 Facility number: 200880

Inspection Search Results - 1 record(s) returned.						
Inspection Date	Doc #	Location ID	Overall I.R. Pass/Fail	Overall F.R. Pass/Fail	C.A. Count	C.A. Response
04/10/2018	690100448	375424				

Former Inspection Version (Replaced ~ February 2010) Inspection Search Results - 1 record(s) returned.							
Inspection Date	Doc #	Insp. Type	Insp. Status	Satisfactory/Action Required	PA P/F/I	Pass/Fail P/F	Violation Y/N
06/14/1991	500201120	HR	PA		P	P	

WELL SITE INSPECTION FORM (DRILLING AND PLUGGING)

Well Name: 3 UPRR API Number: 05-001-6283

Operator: Quinoco/Halliburton Permit #: 710323

Location: SE 31-38 61W County: Adams

Field: Humbre Inspector: Dunkley

AL/PA/DA Inspection Results: Well Status: _____

Pass (Y) Fail (N) Date: 4/9/18 DC NO PR ST TA _____

Date of Inspection Before/During Drilling _____

Surf. Cq. Size _____ Setting Depth _____ Cnt. Vol. _____ WOC time _____

Consistent with APO casing Program? YES NO Returns _____

Rig _____ BOP'S _____ Stage Tool Depth _____ Cnt. Vol. _____

Date of Inspection Before/During/After Completion _____

Prod. Cq. Set? _____ Completion Rig/Activity _____

Drilling Pits: Closed Open Wellhead Installed: _____ Sign: Yes No

Tank ID: Yes No N/A Skin Tank/Pit: _____ Prod. Tanks: () _____ HWSL

Equipment _____ Meter Run: Yes No

Bradenhead Press: _____ Fluid: No Yes Type _____ Well Cat. _____

AL/PA/DA Inspection

Date Plugged: _____ Date Permit Expired: _____

Hole Plugged: Yes No Pits Backfilled: Yes No

Material Buried: Yes No N/A Site Clean: Yes No

Bond Release OK: Yes No Ped Hole Marker: Yes No

Date of Safety/Status Inspection _____

Comments: Landowner Released by Larry Pearson. He assumes responsibility to back fill pit and leave to his specifications.

Inspector: Tony Pearson

Witness: Edna

Inspector Name: Maclaren, Joe

State of Colorado
Oil and Gas Conservation Commission

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

FIELD INSPECTION FORM

Inspection Date: 04/10/2018
 Submitted Date: 04/11/2018
 Document Number: 690100448

Loc ID: 375424 Inspector Name: Maclaren, Joe On-Site Inspection 2A Doc Num: _____

Status Summary:

THIS IS A FOLLOW UP INSPECTION

FOLLOW UP INSPECTION REQUIRED

NO FOLLOW UP INSPECTION REQUIRED

Operator Information:

OGCC Operator Number: 72910

Name of Operator: QUINOCO PETROLEUM INC

Address: 4582 SO ULSTER ST PKWY

City: DENVER State: CO Zip: 80237

Findings:

2 Number of Comments

0 Number of Corrective Actions

Corrective Action Response Requested

Contact Information:

Contact Name	Phone	Email	Comment
Chesson, Bob		robert.chesson@state.co.us	
Schlagenhauf, Mark		mark.schlagenhauf@state.co.us	
Andrews, Dave		david.andrews@state.co.us	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
200880	WELL	PA	02/08/1990	OW	001-06283	UPRR 10 PAN AM B 3	PA

General Comment:

Engineering integrity inspection conducted in response to call to COGCC from surface owner (Lengel Residence) indicating the plugged and abandoned well was encountered during installation of electrical service on property. During trenching/ excavation activity, the landowner encountered trash and debris buried below the surface in the area (previously marked) where records showed this well to be located. The well was exposed below the debris (4 feet below surface) by hand digging in an effort to avoid compromising the integrity of (PA) well. No contact was made with the well casing with heavy (excavation) equipment. During inspection cement was observed to top casing and no leaks were identified. Lat Long's taken during inspection are 39.740540, -104.258596. Photos have been uploaded.



Plugged and abandoned well encountered and exposed during excavation work (view to South)

COGCC Orphaned Well Program



Questions?

Dave Andrews, Orphaned Well Manager

COGCC Rifle Office, 970-625-2497 x1

david.andrews@state.co.us