



Development Services

500 East Third Street, Suite 210 • Loveland, CO 80537
(970) 962-2346 • Fax (970) 962-2945
www.cityofloveland.org

OIL AND GAS FACILITY PERMIT

PROJECT NAME: Anadarko Petroleum – Plugging and abandoning the inactive Wicked #1 Well

ADDRESS: Located North of McWhinney Blvd, South of Medical Center of the Rockies

LEGAL DESCRIPTION: Latitude: 40.412492 Longitude: -104.999702

QtrQtr: NWSW Section: 10 Township: 5N Range: 68W Meridian: 6

PROJECT DESCRIPTION:

Anadarko Petroleum will be plugging and abandoning the inactive Wicked #1 well. Operations to begin on or around August 27, 2015, and will be active 24/7 for a period of about 2-3 weeks. See attached COGCC Form 6 for more information.

STATE PERMIT NUMBER: 400892081

APPLICANT / OWNER REPRESENTATIVE:

Patty Varra
Anadarko Petroleum Corp
1099 18th Street
Denver, CO 80202
970-929-6321

SURFACE PROPERTY OWNER:

City of Loveland
500 East Third Street
Loveland, CO 80537

STAFF ACTION: Approved

NOTICE: This Oil and Gas Facility Permit is issued only to the applicant stated above and solely for the project and site as described herein. This permit is non-transferable and non-assignable.

This Oil and Gas Facility Permit shall not become effective until signed by the applicant, notarized, and the original is returned to Development Services.

Approved by: _____

Director of Development Services

Date: _____

9/2/15



Development Services

500 East Third Street, Suite 210 • Loveland, CO 80537
(970) 962-2346 • Fax (970) 962-2945
www.cityofloveland.org

Applicant's Certification:

I, Patricia J. Varra, hereby state that I have read the provisions set
(Please print)

forth in Chapter 18.77 of the City of Loveland Municipal Code and the agree to operate in strict compliance with all said provisions and conditions.

Signature:

Patricia J. Varra
Applicant

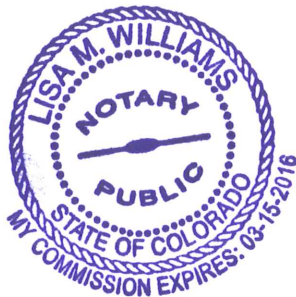
STATE OF COLORADO)

Denver)ss
COUNTY OF LARIMER)

The foregoing certificate was acknowledged before me this 2nd day of September,
2015, by Patricia J. Varra

Witness my hand and official seal.

My commission expires 3-15-2016



Lisa M. Williams
Notary Public

FORM
6Rev
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



DE	ET	OE	ES
----	----	----	----

Replug By Other Operator

Document Number:

400892081

Date Received:

08/31/2015

WELL ABANDONMENT REPORT

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set.

A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

OGCC Operator Number: 47120

Contact Name: CHERYL LIGHT

Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP

Phone: (720) 929-6461

Address: P O BOX 173779

Fax: (720) 929-7461

City: DENVER State: CO Zip: 80217-

Email: CHERYL.LIGHT@ANADARKO.COM

For "Intent" 24 hour notice required,

Name: Rickard, Jeff

Tel: (720) 305-8280

COGCC contact:

Email: jeffrey.rickard@state.co.us

API Number 05-069-06273-00

Well Name: WICKED

Well Number: 1

Location: QtrQtr: NWSW Section: 10 Township: 5N Range: 68W Meridian: 6

County: LARIMER

Federal, Indian or State Lease Number:

Field Name: LOVELAND

Field Number: 52000

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.412492

Longitude: -104.999702

GPS Data:

Date of Measurement: 10/23/2014

PDOP Reading: 2.2

GPS Instrument Operator's Name: OWNE MCKEE

Reason for Abandonment: ☐ Dry ☐ Production for Sub-economic ☐ Mechanical Problems☒ Other RE-ENTER AND PLUGCasing to be pulled: ☐ Yes ☒ No

Estimated Depth:

Fish in Hole: ☐ Yes ☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes ☒ No

If yes, explain details below

Details: This well was plugged and abandoned on 06/17/2000. Purpose is to re-enter to add cement above the Niobrara, cover the Shannon/Sussex and add cement to cover the surface casing shoe and all known aquifers prior to hydraulic stimulation of proposed horizontal well per DJ Basin Offset Policy dated December 16, 2013.. The 5-1/2" casing was cut and pulled from 5400' and no CBL was ever run.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7050	7070	06/15/2000	B PLUG CEMENT TOP	7000

Total: 1 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bot	Cement Top	Status
SURF	12+1/4	8+5/8	32	300		300	0	VISU
1ST	7+7/8	5+1/2	17	7,175		7,175	6,500	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 80 with 25 sacks cmt on top. CIBP #2: Depth _____ with _____ sacks cmt on top.
CIBP #3: Depth _____ with _____ sacks cmt on top. CIBP #4: Depth _____ with _____ sacks cmt on top.
CIBP #5: Depth _____ with _____ sacks cmt on top.

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

Set 320 sks cmt from 7000 ft. to 5000 ft. Plug Type: CASING Plug Tagged: ☒

Set 420 sks cmt from 4325 ft. to 3925 ft. Plug Type: OPEN HOLE Plug Tagged: ☒

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

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

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

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

(Cast Iron Cement Retainer Depth)

Set 220 sacks half in. half out surface casing from 500 ft. to 100 ft. Plug Tagged: ☐

Set 25 sacks at surface

Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker: ☐ Yes ☒ No

Set _____ sacks in rat hole Set _____ sacks in mouse hole

Additional Plugging Information for Subsequent Report Only

Casing Recovered: _____ ft. of _____ inch casing Plugging Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

- a. As-built well location GPS data will be submitted on the Form 6 Subsequent Report of Abandonment.
- b. Closed loop system will be used.
- c. Re-plug and re-entry procedure attached.

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

Signed: _____ Print Name: CHERYL LIGHT

Title: SR. REGULATORY ANALYST Date: 8/31/2015 Email: DJREGULATORY@ANADARKO.COM

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: BURN, DIANA Date: 8/31/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 2/28/2016

COA Type

Description

	1) Provide 48 hour notice of plugging MIRU via electronic Form 42.
--	--

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400892081	FORM 6 INTENT SUBMITTED
400892082	PROPOSED PLUGGING PROCEDURE
400892083	WELLBORE DIAGRAM
400892084	LOCATION PHOTO
400892633	SURFACE OWNER CONSENT

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Public Room	Document verification complete 8/31/15	8/31/2015 4:13:17 PM
Permit	162288 well completion 10/16/1986	8/31/2015 1:43:40 PM

Total: 2 comment(s)