

FORM
2
Rev
08/13

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



Document Number:
400788280
(SUBMITTED)

APPLICATION FOR PERMIT TO:

Drill Deepen Re-enter **Recomplete and Operate**

Date Received:

TYPE OF WELL OIL GAS COALBED OTHER _____ Refiling
ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES Sidetrack

Well Name: Cascade Creek Well Number: 697-16-54A
Name of Operator: OXY USA WTP LP COGCC Operator Number: 66571
Address: 760 HORIZON DR #101
City: GRAND JUNCTION State: CO Zip: 81506
Contact Name: Joan Proulx Phone: (970)263-3641 Fax: (970)263-3694
Email: joan_proulx@oxy.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20060137

WELL LOCATION INFORMATION

QtrQtr: SWSE Sec: 16 Twp: 6S Rng: 97W Meridian: 6
Latitude: 39.517020 Longitude: -108.222670
Footage at Surface: 469 feet FNL/FSL 2039 feet FEL/FWL FEL
Field Name: GRAND VALLEY Field Number: 31290
Ground Elevation: 7009 County: GARFIELD
GPS Data:
Date of Measurement: 07/21/2010 PDOP Reading: 5.6 Instrument Operator's Name: J Grabowski
If well is Directional Horizontal (highly deviated) **submit deviated drilling plan.**
Footage at Top of Prod Zone: FNL/FSL _____ FEL/FWL _____ Bottom Hole: FNL/FSL _____ FEL/FWL _____
Sec: _____ Twp: _____ Rng: _____ Sec: _____ Twp: _____ Rng: _____

LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT

Surface Ownership: Fee State Federal Indian
The Surface Owner is: is the mineral owner beneath the location.
(check all that apply) is committed to an Oil and Gas Lease.
 has signed the Oil and Gas Lease.
 is the applicant.
The Mineral Owner beneath this Oil and Gas Location is: Fee State Federal Indian
The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes
The right to construct the Oil and Gas Location is granted by: applicant is owner
Surface damage assurance if no agreement is in place: _____ Surface Surety ID: _____

LEASE INFORMATION

Using standard QtrQtr, Sec, Twp, Rng format, describe one entire mineral lease that will be produced by this well (Describe lease beneath surface location if produced. Attach separate description page or map if necessary.)

See attached Mineral Lease Description

Total Acres in Described Lease: 9640 Described Mineral Lease is: Fee State Federal Indian

Federal or State Lease # _____

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 1515 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 5280 Feet
Building Unit: 5280 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 5280 Feet
Above Ground Utility: 5280 Feet
Railroad: 5280 Feet
Property Line: 1515 Feet

INSTRUCTIONS:

- All measurements shall be provided from center of the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5).
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a: Buffer Zone
 Exception Zone
 Urban Mitigation Area

- Buffer Zone – as described in Rule 604.a.(2), within 1,000' of a Building Unit
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: _____

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: _____

SPACING and UNIT INFORMATION

Distance from Completed Portion of Wellbore to Nearest Wellbore Permitted or Completed in the same formation: 4169 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 5280 Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): Big Jimmy Unit Number: COC 074105X

SPACING & FORMATIONS COMMENTS

OBJECTIVE FORMATIONS

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

DRILLING PROGRAM

Proposed Total Measured Depth: 7500 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 329 Feet (Including plugged wells)

Will a closed-loop drilling system be used? Yes

Is H₂S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H₂S Drilling Operations Plan)

OPERATOR COMMENTS AND SUBMITTAL

Comments

OXY is proposing to re-complete the 697-16-54A well which is located on the 697-16D pad (location #335203). The 697-16D pad is an existing pad with 22 producing wells. There will be no additional surface disturbance to the location.

OXY will temporarily plug off and isolate the Williams Form formation by setting at CIBP 50' above the top perf at 5116'. There is 365' of fish with the top of fish located at 6362'. Tubing will be set and the Wasatch formation will be perf'd. The anticipated perf zones are from 2910' – 2920' and again from 2942' – 2944'. Green completions will be utilized. Per my conversation with Arthur Koepsell on 10/14/2014, no baseline water sampling is required on a re-completion procedure.

The following is a list of the wells on the 697-16D and the tops of cement:

Well Name	API #	TOC
697-16-38	05045152270000	1600
697-16-40A	05045156420000	2460
697-16-40B	05045156430000	2246
697-16-44A	05045153600000	1170
697-16-44B	05045153590000	750
697-16-46A	05045152300000	1093
697-16-46B	05045152280000	1520
697-16-48A	05045156440000	1866
697-16-48B	05045157820000	2150
697-16-50B	05045152310000	1720
697-16-52A	05045153580000	800
697-16-52B	05045153570000	1170
697-16-54A	05045156410000	1296
697-16-54B	05045154470000	1680
697-16-56	05045157830000	2150
697-16-58A	05045152260000	1402
697-16-58B	05045150150000	1860
697-16-60	05045150140000	1360
697-16-62	05045154490000	1230
697-16-63	05045154480000	1090

This application is in a Comprehensive Drilling Plan _____ CDP #: _____

Location ID: 335203

Is this application being submitted with an Oil and Gas Location Assessment application? No

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

Signed: _____ Print Name: Joan Proulx

Title: Regulatory Date: _____ Email: joan_proulx@oxy.com

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: _____

Expiration Date: _____

API NUMBER

05 045 15641 00

Conditions Of Approval

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400788288	OTHER
400788289	LEGAL/LEASE DESCRIPTION

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

