

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400091067

Plugging Bond Surety

20060137

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☐ GAS ☒ COALBED ☐ OTHER _____

SINGLE ZONE ☒ MULTIPLE ZONE ☐ COMMINGLE ZONE ☐

Refiling

Sidetrack

3. Name of Operator: OXY USA WTP LP 4. COGCC Operator Number: 66571
5. Address: P O BOX 27757
City: HOUSTON State: TX Zip: 77227
6. Contact Name: Joan Proulx Phone: (970)263.3641 Fax: (970)263.3694
Email: joan_proulx@oxy.com
7. Well Name: Cascade Creek Well Number: 697-08-41B
8. Unit Name (if appl): _____ Unit Number: _____
9. Proposed Total Measured Depth: 9214

WELL LOCATION INFORMATION

10. QtrQtr: NWSE Sec: 8 Twp: 6S Rng: 97W Meridian: 6
Latitude: 39.533962 Longitude: -108.241841
Footage at Surface: 1373 FSL 2169 FEL
11. Field Name: Grand Valley Field Number: 31290
12. Ground Elevation: 8383 13. County: GARFIELD

14. GPS Data:
- Date of Measurement: 09/01/2010 PDOP Reading: 0.9 Instrument Operator's Name: James Seal

15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone:				Bottom Hole:			
FNL/FSL		FEL/FWL		FNL/FSL		FEL/FWL	
<u>1514</u>	<u>FSL</u>	<u>690</u>	<u>FWL</u>	<u>1530</u>	<u>FSL</u>	<u>406</u>	<u>FWL</u>
Sec: <u>8</u>	Twp: <u>6S</u>	Rng: <u>97W</u>		Sec: <u>8</u>	Twp: <u>6S</u>	Rng: <u>97W</u>	

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: 4544 ft
18. Distance to nearest property line: 3134 ft 19. Distance to nearest well permitted/completed in the same formation: 340 ft

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.)
Williams Fork	WMFK	510-15		

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 QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):
See attached Mineral Lease Description

25. Distance to Nearest Mineral Lease Line: 360 ft 26. Total Acres in Lease: 9520

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 905b). If air/gas drilling, notify local fire officials.

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
CONDUCTOR	20+0/0	16+0/0	65	90	4	90	0
SURF	14+3/4	9+5/8	36	2,690	1,420	2,690	0
1ST	8+3/4	4+1/2	11.6	9,205	1,932	9,205	5,847

32. BOP Equipment Type: ☒ Annular Preventer ☒ Double Ram ☒ Rotating Head ☐ None

33. Comments Oxy is both the surface and mineral owner; Rules 305 and 306 are waived . The well pad has been constructed and there is one producing well on this location. A semi-closed loop system will be used. Per GarCo Vacation Ordinance dated 10-5-1987, CR 213 is now OXY's private property north of Sec 8, 7S, 97W, 6 PM. Oxy will provide appropriate housing for essential personnel in order to conduct safe, efficient drilling operations at this well site.

34. Location ID: 335815

35. Is this application in a Comprehensive Drilling Plan ? ☐ Yes ☐ No

36. Is this application part of submitted Oil and Gas Location Assessment ? ☒ Yes ☐ 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 Analyst Date: 9/8/2010 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: David S. Neslin Director of COGCC Date: 10/21/2010

API NUMBER

05 045 20087 00

Permit Number: _____ Expiration Date: 10/20/2012

CONDITIONS OF APPROVAL, IF ANY:

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.

1) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

2) GARFIELD COUNTY RULISON FIELD NOTICE TO OPERATORS. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE

3) COMPLY WITH ALL PROVISIONS OF THE JUNE 12, 2008 NOTICE TO OPERATORS DRILLING WELLS WITHIN 3/4 MILE OF THE RIM OF THE ROAN PLATEAU IN GARFIELD COUNTY - PIT DESIGN, CONSTRUCTION AND MONITORING REQUIREMENTS. SEE ATTACHED NOTICE.

4) THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1 MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 430 FEET DEEP.

Attachment Check List

Att Doc Num	Name	Doc Description
2089372	LEGAL/LEASE DESCRIPTION	LF@2604914 2089372
400091067	FORM 2 SUBMITTED	LF@2539005 400091067
400091073	MINERAL LEASE MAP	LF@2539006 400091073
400091074	TOPO MAP	LF@2539007 400091074
400091075	WELL LOCATION PLAT	LF@2539008 400091075
400091076	DEVIATED DRILLING PLAN	LF@2539009 400091076

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Changed distance to nearest mineral lease line to 360', changed lease size to 9,520 acres Added corrected Mineral Lease description to attachments	10/19/2010 3:25:20 PM

Total: 1 comment(s)

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