

FORM  
2  
Rev  
12/05

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:  
400139568  
Plugging Bond Surety  
19880020

**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: MARATHON OIL COMPANY 4. COGCC Operator Number: 53650

5. Address: 5555 SAN FELIPE  
City: HOUSTON State: TX Zip: 77056

6. Contact Name: Anna Walls Phone: (713)296-3468 Fax: (713)513-4394  
Email: avwalls@marathonoil.com

7. Well Name: Crow Valley 7-62-32 Well Number: 1A

8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

9. Proposed Total Measured Depth: 12570

**WELL LOCATION INFORMATION**

10. QtrQtr: SESE Sec: 32 Twp: 7N Rng: 62W Meridian: 6  
Latitude: 40.524435 Longitude: -104.338665

Footage at Surface: 465 feet FSL 465 feet FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 4914.9 13. County: WELD

14. GPS Data:

Date of Measurement: 02/28/2011 PDOP Reading: 2.1 Instrument Operator's Name: Adam Harmon

15. 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 \_\_\_\_\_  
690 FSL 690 FEL 460 FNL 460 FWL  
Sec: 32 Twp: 7N Rng: 62W Sec: 32 Twp: 7N Rng: 62W

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: 474 ft

18. Distance to nearest property line: 465 ft 19. Distance to nearest well permitted/completed in the same formation: 3582 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.)
Niobrara	NBRR		640	ALL

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

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#: 20070075  
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 Bon  \$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):  
All of Section 32, T7N, R32W, 6th P.M.  
25. Distance to Nearest Mineral Lease Line: 460 ft 26. Total Acres in Lease: 640

**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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)?  Yes  No  
31. Mud disposal:  Offsite  Onsite **If 28, 29, or 30 are "Yes" a pit permit may be required.**  
Method:  Land Farming  Land Spreading  Disposal Facility Other: evaporation/backfill  
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	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	24	20		0	40			
SURF	16	13+3/8	54.5	0	700	310	700	0
1ST	12+1/4	9+5/8	40	0	7,000	1,390	7,000	0
1ST LINER	7+7/8	5+1/2	20	6000	12,570	750	12,570	6,000

32. BOP Equipment Type:  Annular Preventer  Double Ram  Rotating Head  None  
33. Comments The Crow Valley 7-62-32-1A is one of two horizontal wells (crow valley 762-32-1B) to be permitted in this section. However, Marathon intends to only drill one of these wells. There are no visible improvements within 400' of wellhead. Closed loop drilling.

34. Location ID: \_\_\_\_\_  
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: Anna Walls  
Title: Regulatory Compliance Rep Date: 3/23/2011 Email: avwalls@marathonoil.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: 4/17/2011  
Permit Number: \_\_\_\_\_ Expiration Date: 4/16/2013

**API NUMBER**

05 123 33352 00

**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) Provide 24 hr notice of MIRU to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us.
- 2) Set surface casing per Rule 317d, cement to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC.
- 3) If completed, provide cement coverage from the intermediate casing shoe to a minimum of 200' above Niobrara. Verify cement with a cement bond log.
- 4) If hole is abandoned with production liner cemented, then set 40 sks cement in casing at the intermediate casing shoe, cut off production casing above top of cement.
- 5) If dry hole without production liner, then set 40 sks cement in open hole 50' above Niobrara top.
- 6) With either 4 or 5 above, set 50 sks cement ½ out, ½ in surface casing, 10 sks cement top of surface casing, cut 4' below ground level, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole.
- 7) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

**Attachment Check List**

Att Doc Num	Name
2111319	SURFACE CASING CHECK
400139568	FORM 2 SUBMITTED
400139754	WELL LOCATION PLAT
400139755	30 DAY NOTICE LETTER
400145659	DEVIATED DRILLING PLAN

Total Attach: 5 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	MADE CHANGES TO UNIT AND RIGHT TO CONSTRUCT. NOTIFIED OPERATOR	3/24/2011 3:49:12 PM

Total: 1 comment(s)

**BMP**

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)