

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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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 ☐

Document Number:

2557583

Plugging Bond Surety

19820016

3. Name of Operator: SAMSON RESOURCES COMPANY

4. COGCC Operator Number: 76104

5. Address: TWO WEST SECOND ST

City: TULSA State: OK Zip: 74103

6. Contact Name: GEORGANNE MITCHELL Phone: (918)583-1791 Fax: (918)591-1796  
Email: GMITCHELL@SAMSON.COM

7. Well Name: MANSFIELD Well Number: 11-8-1

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

9. Proposed Total Measured Depth: 8100

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 8 Twp: 6N Rng: 91W Meridian: 6

Latitude: 40.496154 Longitude: -107.635972

Footage at Surface: 1075 FNL/FSL FNL 670 FEL/FWL FWL

11. Field Name: WILDCAT Field Number: 99999

12. Ground Elevation: 6232 13. County: MOFFAT

14. GPS Data:

Date of Measurement: 07/28/2008 PDOP Reading: 2.4 Instrument Operator's Name: DR GRIFFIN & ASSOC. PAUL ORME

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 \_\_\_\_\_

Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

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: 1500 ft

18. Distance to nearest property line: 670 ft 19. Distance to nearest well permitted/completed in the same formation: 5200 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	474-6	320	N/2

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):  
TOWNSHIP 6 NORTH, RANGE 91 WEST, 6TH P.M.: SECTION 5: LOTS 13 (40.05), 15 (40.13), 16 (40.20); SEC. 8: LOTS 1 (40.00), 2 (40.06), 3(40.14), 4 (40.20). COGCC: rec'd correction by email from opr 7/2/peb 7/15JEK: you did mean "91"W and NOT "61"W

25. Distance to Nearest Mineral Lease Line: 249 ft 26. Total Acres in Lease: 320

### 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: CUTTINGS BURIED IN PL

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	24	16	65#/FT	40	35	40	0
SURF	13+1/2	9+5/8	36# LTC	550	381	550	0
1ST	8+3/4	7	23.0 LTC	6,600	486	6,600	550
2ND	6+1/8			8,100			

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

33. Comments PLEASE SEE THE ATTACHED "DRILLING PROGRAM" SECTION OF THE ENCLOSED APD FOR CEMENT DISTRIBUTION DETAILS.

34. Location ID: 413422

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: GEORGANNE MITCHELL

Title: SURFACE LANDMAN Date: 5/18/2010 Email: GMITCHELL@SAMSON.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: 8/13/2010

API NUMBER

05 081 07463 00

Permit Number: \_\_\_\_\_ Expiration Date: 8/12/2012

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) COMPLY WITH NOTIFICATION REQUIREMENTS OF THE MOST CURRENT VERSION OF THE NORTHWEST COLORADO NOTIFICATION POLICY.

24-HOUR NOTICE TO MOVE ON LOCATION REQUIRED. E-MAIL: Shaun.Kellerby@state.co.us

(2) CEMENT-TOP VERIFICATION BY CBL REQUIRED.

(3) RESERVE PIT MUST BE LINED

(4) THE PROPOSED SURFACE CASING SHOULD BE 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 3000 FEET DEEP. HOWEVER, THE PROPOSED CEMENT PROGRAM FOR THE PRODUCTION CASING STRING IS DESIGNED TO PROVIDE CONTINUOUS COVERAGE OF THE DEEPER CASING STRING AND THEREFORE SHOULD PROTECT WATER WELLS WITHIN 1-MILE WHICH ARE DEEPER THAN THE SURFACE CASING SHOE.

### **Attachment Check List**

Att Doc Num	Name	Doc Description
2557583	APD ORIGINAL	LF@2483631 2557583
2557586	DRILLING PLAN	LF@2483632 2557586
2557587	30 DAY NOTICE LETTER	LF@2483634 2557587
2557588	CORRESPONDENCE	LF@2483635 2557588
2557589	SURFACE AGRMT/SURETY	LF@2483636 2557589
2557590	MINERAL LEASE MAP	LF@2483637 2557590
2557591	WELL LOCATION PLAT	LF@2483638 2557591
2557592	TOPO MAP	LF@2483639 2557592

Total Attach: 8 Files

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