

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

Refilling
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 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):
 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 PLA

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: <u>8/12/2012</u> |
|--------------------------------------|----------------------|-----------------------------------|

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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