

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:

2557566

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: LABRAMS@SAMSON.COM

7. Well Name: SILVER Well Number: 33-5-1

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

9. Proposed Total Measured Depth: 8500

WELL LOCATION INFORMATION

10. QtrQtr: NWSE Sec: 5 Twp: 6N Rng: 91W Meridian: 6

Latitude: 40.505764 Longitude: -107.625953

Footage at Surface: 2400 FNL/FSL FSL FEL/FWL 1705 FEL FEL

11. Field Name: WILDCAT Field Number: 99999

12. Ground Elevation: 6349 13. County: MOFFAT

14. GPS Data:

Date of Measurement: 07/28/2008 PDOP Reading: 2.4 Instrument Operator's Name: DR GRIFFIN & ASSOC. PAL 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: 2500 ft

18. Distance to nearest property line: 1076 ft 19. Distance to nearest well permitted/completed in the same formation: 4800 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	474-5	320	E/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: SW/4 NE/4, NW/4 SE/4, N/2 SW/4 AND CONTAINING 160 ACRES.  
COGCC: rec'd corrections from opr in email 7/2/peb (7/15: JEK changed the "61"W to "91"W)

25. Distance to Nearest Mineral Lease Line: 574 ft 26. Total Acres in Lease: 160

### 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 PLACE

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	40	35	40	0
SURF	13+1/2	9+5/8	36	550	381	550	40
1ST	8+3/4	7	23	7,200	516	7,200	550
2ND	6+1/8			8,500			

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

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

34. Location ID: 414011

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: LAURA ABRAMS

Title: LAND TECH Date: 5/10/2010 Email: LABRAMS@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: 8/11/2010

API NUMBER

05 081 07464 00

Permit Number: \_\_\_\_\_ Expiration Date: 8/10/2012

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
2553842	MINERAL LEASE MAP	LF@2483712 2553842
2557566	APD ORIGINAL	LF@2483623 2557566
2557568	DRILLING PLAN	LF@2483625 2557568
2557569	30 DAY NOTICE LETTER	LF@2483626 2557569
2557570	SURFACE AGRMT/SURETY	LF@2483628 2557570
2557571	MINERAL LEASE MAP	LF@2483629 2557571
2557573	MINERAL LEASE MAP	LF@2483711 2557573
2557574	WELL LOCATION PLAT	LF@2483624 2557574
2557575	TOPO MAP	LF@2483630 2557575

Total Attach: 9 Files

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