

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



DE ET OE ES

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☐ GAS ☐ COALBED ☒ OTHER ☐ LATERAL #3
SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐

Refiling ☐

Sidetrack ☒

Document Number:

400218148

PluggingBond SuretyID

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: (720)239-4365 Fax: (720)904-1392

Email: GMITCHELL@SAMSON.COM

7. Well Name: INDIAN MESA 32-7-11

Well Number: 1

8. Unit Name (if appl):

Unit Number:

9. Proposed Total Measured Depth: 6988

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 11 Twp: 32N Rng: 7W Meridian: N

Latitude: 37.024860

Longitude: -107.576040

Footage at Surface: 180 feet FNL/FSL 2145 feet FEL/FWL FEL

11. Field Name: IGNACIO BLANCO

Field Number: 38300

12. Ground Elevation: 6306.4

13. County: LA PLATA

14. GPS Data:

Date of Measurement: 01/12/2011 PDOP Reading: 2.9 Instrument Operator's Name: M. WILLIAMS

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

Footage at Top of Prod Zone: FNL/FSL 1066 FSL 892 FEL/FWL 735 FNL 710 FEL 710
Sec: 11 Twp: 32N Rng: 7W Sec: 11 Twp: 32N Rng: 7W

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: 4150 ft

18. Distance to nearest property line: 180 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 2883 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.)
FRUITLAND COAL	FRLDC	112-197	320	

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#: 19820017

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

25. Distance to Nearest Mineral Lease Line: 660 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 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: EVAPORATIVE PIT

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
SURF	12+1/4	8+5/8	24	0	350	265	350	0
1ST	7+7/8	5+1/2	17	0	3,582	258	3,582	0
1ST LINER	4+3/4	2+7/8	6.4	2749	6,988			

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

33. Comments LATERAL #3 HOLE APD, PLEASE APPEND EXTENSION -03 TO THIS APD NUMBER; LATERAL PERFORATED LINER.

34. Location ID: 423441

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: SR. SURFACE LANDMAN

Date: 11/1/2011

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: 12/4/2011

API NUMBER

05 067 09856 03

Permit Number: _____ Expiration Date: 12/3/2013

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 48 hour notice of spud to COGCC Inspector Steve Labowskie 970-259-0945 steve.labowskie@state.co.us
- 2) Run and submit Directional Survey for primary well bore and for each lateral section
- 3) The operator shall comply with Rule 321, and it shall be the operator's responsibility to ensure that the well bore complies with setback requirements in Commission orders and/or rules prior to producing the well.
- 4) Sample and test two closest water wells within 1/4 mile swath of lateral wellbore.
- 5) Operators are required to obtain a bottom hole pressure utilizing a bottom hole gauge after a minimum 48 hour shut-in period following completion and prior to sales
- 6) Comply with all applicable provisions of Order 112-197

Attachment Check List

Att Doc Num	Name
400218148	FORM 2 SUBMITTED
400219539	WELL LOCATION PLAT
400219541	DEVIATED DRILLING PLAN
400219717	LEGAL/LEASE DESCRIPTION

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	LGD and Public comments period expires 11/22/11. BY	11/21/2011 7:14:06 AM
Permit	Correspondence with permitting supervisor states that Samson encountered an unexpected coal and Samson wants to test that coal. Samson was told to submit APD as unplanned sidetrack, the term spud as used by Samson, in this instance, was a misnomer, they want to start drilling on 11/20/11. Samson's geologist acknowledged that it would be later than 11/20/11. LGD and public comment has until 11/22/11 to make comments. BY	11/21/2011 7:07:19 AM
Permit	Requested clarification of the "sidetrack" designation and spud, when, where and what caused the status of sidetrack. BY	11/16/2011 12:20:13 PM

Total: 3 comment(s)

BMP

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

Total: 0 comment(s)