

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
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APPLICATION FOR PERMIT TO:

1. **Drill,** Deepen, Re-enter, Recomplete and Operate

2. TYPE OF WELL

OIL GAS COALBED OTHER lateral #2 =02
 SINGLE ZONE MULTIPLE ZONE COMMINGLE ZONE

Refiling
 Sidetrack

Document Number:

400177362

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: (720)239-4365 Fax: (303)573-0376
 Email: gmitchell@samson.com

7. Well Name: Lucero 32-7-11 Well Number: #2

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 7064

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 11 Twp: 32N Rng: 7W Meridian: N
 Latitude: 37.025080 Longitude: -107.575980

Footage at Surface: 258 feet FSL 2127 feet FEL

11. Field Name: Ignacio Blanco Field Number: 38300

12. Ground Elevation: 6303 13. County: LA PLATA

14. GPS Data:

Date of Measurement: 06/30/2011 PDOP Reading: 2.1 Instrument Operator's Name: David Myers

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
708 FSL 1978 FWL 660 FNL 1980 FWL
 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: 4200 ft

18. Distance to nearest property line: 258 ft 19. Distance to nearest well permitted/completed in the same formation: 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	W2

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#: 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):
Please see the attached mineral lease.
25. Distance to Nearest Mineral Lease Line: 660 ft 26. Total Acres in Lease: 480

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	3,673	526	3,673	0
1ST LINER	4+3/4	2+7/8	6.4	3018	7,064			

32. BOP Equipment Type: Annular Preventer Double Ram Rotating Head None
33. Comments No conductor casing will be set. This application is for sidetrack #2. Please append extension -02 to the API number.

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: Lauren Christiansen
Title: Land Technician Date: 6/22/2011 Email: lchristiansen@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: 7/29/2011

API NUMBER
05 067 09863 02
Permit Number: _____ Expiration Date: 7/28/2013
CONDITIONS OF APPROVAL, IF ANY:

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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 District Engineer, Mark Weems at 970-259-4587 or mark.weems@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
400177362	FORM 2 SUBMITTED
400177561	PLAT
400177562	OTHER
400177563	OIL & GAS LEASE
400177564	DEVIATED DRILLING PLAN

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	The spacing order is 112-197. Thanks, Georganne	7/29/2011 7:52:12 AM

Total: 1 comment(s)

BMP

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

Total: 0 comment(s)