


<b>FORM</b> <b>2</b> Rev 12/05	<b>State of Colorado</b> <b>Oil and Gas Conservation Commission</b> 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table>	DE	ET	OE	ES
DE	ET	OE	ES				
<b>APPLICATION FOR PERMIT TO:</b>			Document Number:  400175693  Plugging Bond Surety  19820016				
1. <input checked="" type="checkbox"/> <b>Drill,</b> <input type="checkbox"/> Deepen, <input type="checkbox"/> Re-enter, <input type="checkbox"/> Recomplete and Operate							
2. TYPE OF WELL OIL <input type="checkbox"/> GAS <input type="checkbox"/> COALBED <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> Pilot Hole <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> COMMINGLE ZONE <input type="checkbox"/>		Refiling <input type="checkbox"/> Sidetrack <input type="checkbox"/>					
3. Name of Operator: <u>SAMSON RESOURCES COMPANY</u>		4. COGCC Operator Number: <u>76104</u>					
5. Address: <u>TWO WEST SECOND ST</u> City: <u>TULSA</u> State: <u>OK</u> Zip: <u>74103</u>							
6. Contact Name: <u>Georganne Mitchell</u> Phone: <u>(720)239-4365</u> Fax: <u>(303)573-0376</u> Email: <u>gmitchell@samson.com</u>							
7. Well Name: <u>Lucero 32-7-11</u>		Well Number: <u>#2</u>					
8. Unit Name (if appl): _____		Unit Number: _____					
9. Proposed Total Measured Depth: <u>3673</u>							
<b>WELL LOCATION INFORMATION</b>							
10. QtrQtr: <u>SWSE</u> Sec: <u>11</u> Twp: <u>32N</u> Rng: <u>7W</u> Meridian: <u>N</u> Latitude: <u>37.025080</u> Longitude: <u>-107.575980</u>							
Footage at Surface: <u>258</u> feet    FNL/FSL <u>FSL</u> 2127 feet    FEL/FWL <u>FEL</u>							
11. Field Name: <u>Ignacio Blanco</u>		Field Number: <u>38300</u>					
12. Ground Elevation: <u>6303</u>		13. County: <u>LA PLATA</u>					
14. GPS Data: Date of Measurement: <u>06/21/2011</u> PDOP Reading: <u>2.1</u> Instrument Operator's Name: <u>David Myers</u>							
15. If well is <input checked="" type="checkbox"/> Directional <input type="checkbox"/> Horizontal (highly deviated) <b>submit deviated drilling plan.</b> Footage at Top of Prod Zone: FNL/FSL <u>708</u> FSL <u>FSL</u> 1978    FWL <u>FWL</u> Bottom Hole: FNL/FSL <u>818</u> FSL <u>FSL</u> 1688    FWL <u>FWL</u> Sec: <u>11</u> Twp: <u>32N</u> Rng: <u>7W</u> Sec: <u>11</u> Twp: <u>32N</u> Rng: <u>7W</u>							
16. Is location in a high density area? (Rule 603b)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
17. Distance to the nearest building, public road, above ground utility or railroad: <u>4200 ft</u>							
18. Distance to nearest property line: <u>258 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>2883 ft</u>							
<b>20. LEASE, SPACING AND POOLING INFORMATION</b>							
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	SE/4			



**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 attached mineral lease.

25. Distance to Nearest Mineral Lease Line: 372 ft 26. Total Acres in Lease: 40

**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

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

33. Comments Pilot hole bottom hole APD. Please append extension -00 to this 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 00

Permit Number: \_\_\_\_\_ Expiration Date: 7/28/2013

**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 to M. Weems @ 970-259-4587 or mark.weems@state.co.us
- 2) Provide cement coverage of production casing from TD to surface. Verify cement coverage with Cement Bond Log.
- 3) Run and submit Directional Survey from TD to kick-off point
- 4) 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.
- 5) Sample and test two closest water wells within 1/4 mile swath of the directional wellbore.
- 6) 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
- 7) Comply with all applicable provisions of Order 112-187
- 8) The depth of the deepest water well within a 1 mile radius is 278' (elevation=6410')

### **Attachment Check List**

Att Doc Num	Name
400175693	FORM 2 SUBMITTED
400177276	DRILLING PLAN
400177279	DEVIATED DRILLING PLAN
400177289	PLAT
400181798	OIL & GAS LEASE

Total Attach: 5 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Engineer	This well is the mother bore or pilot hole.	7/26/2011 6:55:02 AM
Permit	Rename other to Dev drill. Lease is unreadable. SJF	6/23/2011 3:19:44 PM

Total: 2 comment(s)

### **BMP**

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

Total: 0 comment(s)