

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:
2590014
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: G. MITCHELL Phone: (720)239-4365 Fax: (720)904-9618
Email: GMITCHELL@SAMSON.COM

7. Well Name: IGNACIO 33-7 Well Number: 16-4

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

9. Proposed Total Measured Depth: 3407

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 33 Twp: 33N Rng: 7W Meridian: N
Latitude: 37.056160 Longitude: -107.612440

Footage at Surface: 1052 ^{FNL/FSL} FSL 2125 ^{FEL/FWL} FEL

11. Field Name: IGNACIO BLANCO Field Number: 38300

12. Ground Elevation: 6287 13. County: LA PLATA

14. GPS Data:

Date of Measurement: 10/26/2006 PDOP Reading: 3.0 Instrument Operator's Name: SCOTT WIEBE

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

Footage at Top of Prod Zone: ^{FNL/FSL} 1273 ^{FEL/FWL} FSL 1073 ^{FEL/FWL} FEL Bottom Hole: ^{FNL/FSL} 1335 ^{FEL/FWL} FSL 780 ^{FEL/FWL} FEL
Sec: 33 Twp: 33N Rng: 7W Sec: 33 Twp: 33N 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: 1000 ft

18. Distance to nearest property line: 1000 ft 19. Distance to nearest well permitted/completed in the same formation: 59 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	112-181	320	S/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#: 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 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):
E/2SE/4, SECTION 33, T33N, R7W NMPM. Fee Minerals Allotted.

25. Distance to Nearest Mineral Lease Line: 530 ft 26. Total Acres in Lease: 80

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: EVAPORATIVE RESERVE

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
SURF	12+1/4	8+5/8	24	350	258	350	0
1ST	7+7/8	5+1/2	17	3,407	260	3,407	0

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

33. Comments CONDUCTOR CASING WILL NOT BE USED. SUA TO FOLLOW SEE ATTACHED LETTER.

34. Location ID: _____

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: 8/6/2010 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. Nashin Director of COGCC Date: 9/30/2010

API NUMBER
05 067 09835 00

Permit Number: _____ Expiration Date: 9/29/2012

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) Provide 48 hour notice of spud to BLM
- 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 1/2 mile swath of the directional wellbore intercepting Fruitland Coal (includes pathway from top to bottom of pay).
- 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 112-181

Attachment Check List

Att Doc Num	Name	Doc Description
1857155	SELECTED ITEMS REPORT	LF@2539975 1857155
2590014	APD ORIGINAL	LF@2520785 2590014
2590015	WELL LOCATION PLAT	LF@2520786 2590015
2590016	TOPO MAP	LF@2520787 2590016
2590017	CONST. LAYOUT DRAWINGS	LF@2520788 2590017
2590018	OTHER	LF@2520789 2590018
2590019	DEVIATED DRILLING PLAN	LF@2520790 2590019
2590020	OIL & GAS LEASE	LF@2520791 2590020
2590021	CORRESPONDENCE	LF@2520792 2590021

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	PERMITTING PASSED	9/30/2010 2:31:42 PM
Permit	Called Operator to add Plugging Bond Surety Id#; Operator waiting to receive SUA, add Surface Surety Id#.	9/30/2010 2:31:13 PM
Permit	Checking information on the mineral/surface ownership and requesting SUA	9/22/2010 4:18:50 PM
Permit	Working with G. Mitchell to resolve questions about Indian Trust Lands; Fee Allotted and requested SUA	8/17/2010 1:36:58 PM
Permit	Failed-incorrect information on the mineral ownership and are missing a completed SUA kk	8/11/2010 4:17:39 PM

Total: 5 comment(s)

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