

APPLICATION FOR PERMIT TO:

Drill

 Deepen

 Re-enter

 Recomplete and Operate

TYPE OF WELL OIL <input type="checkbox"/> GAS <input type="checkbox"/> COALBED <input checked="" type="checkbox"/> OTHER _____	Refiling <input checked="" type="checkbox"/>
ZONE TYPE SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONES <input type="checkbox"/> COMMINGLE ZONES <input type="checkbox"/>	Sidetrack <input type="checkbox"/>

Date Received:
09/09/2013

Well Name: <u>Bonine 34-7-24</u>	Well Number: <u>#4</u>
Name of Operator: <u>SAMSON RESOURCES COMPANY</u>	COGCC Operator Number: <u>76104</u>
Address: <u>TWO WEST SECOND ST</u>	
City: <u>TULSA</u>	State: <u>OK</u>
Zip: <u>74103</u>	
Contact Name: <u>Annaliese Kosmicki</u>	Phone: <u>(303)222.3044</u>
	Fax: <u>(720)239.4390</u>
Email: <u>akosmicki@samson.com</u>	

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20130011

WELL LOCATION INFORMATION

QtrQtr: NWSE Sec: 24 Twp: 34N Rng: 7W Meridian: M

Latitude: 37.176060 Longitude: -107.558380

Footage at Surface:	<u>2488</u> feet	FNL/FSL	<u>2313</u> feet	FEL/FWL
	FSL		FEL	

Field Name: IGNACIO BLANCO Field Number: 38300

Ground Elevation: 6778 County: LA PLATA

GPS Data:

Date of Measurement: 05/24/2011 PDOP Reading: 3.0 Instrument Operator's Name: Scott Weibe

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
<u>2051</u>	<u>FNL</u>	<u>958</u>	<u>1815</u>	<u>FNL</u>	<u>693</u>
Sec: <u>24</u>	Twp: <u>34N</u>	Rng: <u>7W</u>	Sec: <u>24</u>	Twp: <u>34N</u>	Rng: <u>7W</u>

LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT

Surface Ownership: Fee State Federal Indian

The Surface Owner is:

(check all that apply)

is the mineral owner beneath the location.

is committed to an Oil and Gas Lease.

has signed the Oil and Gas Lease.

is the applicant.

The Mineral Owner beneath this Oil and Gas Location is: Fee State Federal Indian

The Minerals beneath this Oil and Gas Location will be developed by this Well: No

The right to construct the Oil and Gas Location is granted by: Surface Use Agreement

Surface damage assurance if no agreement is in place: _____ Surface Surety ID: _____

LEASE INFORMATION

Using standard QtrQtr, Sec, Twp, Rng format, describe one entire mineral lease that will be produced by this well (Describe lease beneath surface location if produced. Attach separate description page or map if necessary.)

See attached Lease Description

Total Acres in Described Lease: 80 Described Mineral Lease is: Fee State Federal Indian

Federal or State Lease # 750-03-2002

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 290 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 1972 Feet

Building Unit: 1970 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 2457 Feet

Above Ground Utility: 1159 Feet

Railroad: 5280 Feet

Property Line: 209 Feet

INSTRUCTIONS:

- All measurements shall be provided from center of the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5).

- Enter 5280 for distance greater than 1 mile.

- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.

- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a: Buffer Zone
 Exception Zone
 Urban Mitigation Area

- Buffer Zone – as described in Rule 604.a.(2), within 1,000' of a Building Unit

- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.

- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: _____

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: _____

SPACING and UNIT INFORMATION

Distance from Completed Portion of Wellbore to Nearest Wellbore Permitted or Completed in the same formation: 850 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 693 Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): N/A Unit Number: N/A

SPACING & FORMATIONS COMMENTS

OBJECTIVE FORMATIONS

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	N/2

DRILLING PROGRAM

Proposed Total Measured Depth: 3700 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 850 Feet (Including plugged wells)

Will a closed-loop drilling system be used? No

Is H₂S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H₂S Drilling Operations Plan)

Will salt sections be encountered during drilling? No

Will salt based (>15,000 ppm Cl) drilling fluids be used? No

Will oil based drilling fluids be used? No

BOP Equipment Type: Annular Preventor Double Ram Rotating Head None

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 608

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Methods: Other

Cuttings Disposal: OFFSITE Cuttings Disposal Method: Other

Other Disposal Description:

approved disposal facility

Beneficial reuse or land application plan submitted? _____

Reuse Facility ID: _____ or Document Number: _____

CASING PROGRAM

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	250	350	0
1ST	7+7/8	5+1/2	17	0	3700	530	3700	0

Conductor Casing is NOT planned

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

- Rule 318A.a. Exception Location (GWA Windows).
- Rule 318A.c. Exception Location (GWA Twinning).

RULE 502.b VARIANCE REQUEST

Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number _____

OTHER LOCATION EXCEPTIONS

Check all that apply:

- Rule 318.c. Exception Location from Rule or Spacing Order Number _____
- Rule 603.a.(2) Exception Location (Property Line Setback).

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

OPERATOR COMMENTS AND SUBMITTAL

Comments

This application is in a Comprehensive Drilling Plan _____ CDP #: _____

Location ID: 425583

Is this application being submitted with an Oil and Gas Location Assessment application? No

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Heather N. Smith

Title: Regulatory Manager Date: 9/9/2013 Email: heathers@samson.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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:  Director of COGCC Date: 10/6/2013

Expiration Date: 10/05/2015

API NUMBER

05 067 09869 00

Conditions Of Approval

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.

COA Type

Description

	1) Provide COGCC with 48 hour notice of spud.
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Best Management Practices

No BMP/COA Type

Description

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Attachment Check List

Att Doc Num

Name

2518606	SURFACE AGRMT/SURETY
400466982	FORM 2 SUBMITTED
400477756	DEVIATED DRILLING PLAN
400477758	PLAT
400478168	LEGAL/LEASE DESCRIPTION

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed; no LGD or public comment received.	9/30/2013 6:24:49 AM
Permit	Form 1A and SUA received.	9/27/2013 7:02:50 AM
Permit	Distance to another completed or permitted well in the same common source of supply was revised to include permitted well (Samson Melson 34-7-24 1)	9/20/2013 1:24:53 PM
Permit	Excluding interior section unit boundaries the distance to the unit boundary is revised to 693'	9/20/2013 1:18:56 PM
Permit	Heather Smith does not appear to be an agent for SAMSON at this time.	9/20/2013 1:15:58 PM
Permit	Operator checked SUA but SUA is not attached to this form or available in the well record.	9/20/2013 1:10:15 PM
Permit	Plugging bond and surface bond number incorrect. Bonds were released and replaced with new bond numbers.	9/20/2013 12:51:59 PM

Total: 7 comment(s)