

APPLICATION FOR PERMIT TO:

Drill Deepen Re-enter **Recomplete and Operate**

Date Received:
04/15/2015

TYPE OF WELL OIL GAS COALBED OTHER _____ Refilling

ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES Sidetrack

Well Name: Mansur Well Number: 33-4-C

Name of Operator: FRAM OPERATING LLC COGCC Operator Number: 10310

Address: 6 SOUTH TEJON STREET #400

City: COLORADO SPRINGS State: CO Zip: 80903

Contact Name: David Cook Phone: (719)355-1320 Fax: (719)314-1362

Email: dave@framamericas.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20110193

WELL LOCATION INFORMATION

QtrQtr: 8 Sec: 33 Twp: 12S Rng: 97W Meridian: 6

Latitude: 38.965390 Longitude: -108.233460

Footage at Surface: 1873 feet FNL/FSL FNL 606 feet FEL/FWL FEL _____

Field Name: WHITEWATER Field Number: 92840

Ground Elevation: 6218 County: MESA

GPS Data:
Date of Measurement: 08/10/2010 PDOP Reading: 2.0 Instrument Operator's Name: DEE SLAUGH

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

Sec: _____ Twp: _____ Rng: _____ Sec: _____ Twp: _____ Rng: _____

LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT

Surface Ownership: Fee State Federal Indian

The Surface Owner is: is the mineral owner beneath the location.
(check all that apply) 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: Yes

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.)

Lots 6, 7 & 8 & N 350' of Lots 11 & 12 that part of Tr. 48 lying N of Kannah Creek + 1 ac of Sec. 33 & Lot 2 of Sec 34, T12S, R97W, 6th PM

Total Acres in Described Lease: 154 Described Mineral Lease is: Fee State Federal Indian

Federal or State Lease # _____

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

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 1457 Feet
Building Unit: 1457 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 800 Feet
Above Ground Utility: 1570 Feet
Railroad: 5280 Feet
Property Line: 606 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: 35 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 794 Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): Whitewater Unit Number: COC73038A

SPACING & FORMATIONS COMMENTS

Whitewater Federal Unit

OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
DAKOTA	DKTA	376-1	320	W2
MANCOS	MNCS			

DRILLING PROGRAM

Proposed Total Measured Depth: 3620 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 35 Feet (Including plugged wells)

Will a closed-loop drilling system be used? Yes

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 609

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Methods: Commercial Disposal

Cuttings Disposal: OFFSITE Cuttings Disposal Method: Commercial Disposal

Other Disposal Description:

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
CONDUCTOR	18+0/0	16+0/0	0	0	40	4	40	0
SURF	12+1/4	9+5/8	36	0	537	150	537	0
1ST	8+3/4	5+1/2	17	2075	3620	175	3620	2075
S.C. 1.1	8+3/4	5+1/2	17	78	983	100	983	78

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

**The API# for this well is 05-077-09474-00. After the requested changes were made, the E-Form System still gave the following error "Not API# Allowed"

Fram Operating, LLC proposes to complete a new objective formation (Mancos) that was not previously permitted and the APD has expired. We are submitting this required Form 2 - Recomplete to evaluate formation approval and check for adequate cement coverage. Please find the attached Wellbore Diagram & Procedure.

Mansur 33-4-C previously permitted to be in the SENE Sec 33, T12N, R97W, 6th PM. COGCC noted that this is the incorrect Quarter-Quarter designation. Fram now requests to permit the Mansur 33-4-C to be in Lot 8, Sec 33, T12N, R97W, 6th PM to match the Location ID 312744.

The wellbore is under a fee lease and the right to construct/operate this well-pad is granted by a surface use agreement. Surface Use Agreement can be found in the attachments.

Fram will set a bridgeplug @ 3300' and perforate the Mancos @ 2984'-2994'. This will be followed by a GasGun stimulation and a contingent Diverted Perf Breakdown Treatment (N2). Fram does not intend to abandon the Dakota Formation.

Lease Map attached. This well is vertical and only falls under the Mansur lease (L1)

Location Plat attached. This pdf includes the original proposal for the Mansur 33-4-C, as well as, the proposal for the Mansur 33-4-D which shows the precise Mansur 33-4-C as drilled location along with confirmation of actual GPS and footages from boundary lines.

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

Location ID: 312744

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: David Cook

Title: Manager Date: 4/15/2015 Email: dave@framamericas.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: _____ Director of COGCC Date: _____

Expiration Date: _____

API NUMBER

05 077 09474 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.

Best Management Practices

No	BMP/COA Type	Description
1	Drilling/Completion Operations	<p>317.p. - This well is a re-complete, so no OH resistivity log will be run. A cement bond log and gamma ray log will be run on the production casing.</p> <p>317.r.- This wells within 150 feet are the Mansur 33-4-D (37 feet away) and the Mansur 33-4 (P&A'd, 112 feet), which are also owned and operated by FRAM. No new drilling will be performed, therefore we would not need an anti-collision report for this recomplete.</p> <p>317.s.- The only wells within 150 ft are also operated by Fram. Any treatments or stimulations done during the recomplete would not need written consent from another operator.</p>

Total: 1 comment(s)

Attachment Check List

Att Doc Num	Name
400825779	FORM 2 SUBMITTED
400825832	WELLBORE DIAGRAM
400825833	DRILLING PLAN
400827314	LEASE MAP
400827316	WELL LOCATION PLAT
400827872	SURFACE AGRMT/SURETY

Total Attach: 6 Files

General Comments

User Group	Comment	Comment Date
Permit	<ol style="list-style-type: none"> 1. Surface user agreement must be amended to redact any financial payment information. 2. Well location plat must be renamed from "PLAT" to "Well Location Plat". 3. Application for permit needs to be changed from "DRILL" to "RECOMPLETE". 	4/20/2015 1:45:37 PM
Permit	<ol style="list-style-type: none"> 1. Incorrect surety ID. 2. Quarter quarter designation is incorrect. 3. Questions regarding surface owner are incomplete. 4. Missing surface user agreement. 5. Please provide a lease map if available. 6. Missing well location plat. 7. Missing 317.p BMP. 8. Input API number. COGCC staff entered API number due to eForm error. 9. Label "OTHER" as "DRILLING PLAN". <p>Return to draft.</p>	4/17/2015 1:57:50 PM

Total: 2 comment(s)