


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		<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> Document Number: 400164371 Plugging Bond Surety 20090040	DE	ET	OE	ES
DE	ET	OE	ES				
APPLICATION FOR PERMIT TO:							
1. <input checked="" type="checkbox"/> Drill, <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 checked="" type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> COMMINGLE ZONE <input type="checkbox"/>		Refiling <input checked="" type="checkbox"/> Sidetrack <input type="checkbox"/>					
3. Name of Operator: <u>FRAM OPERATING LLC</u>		4. COGCC Operator Number: <u>10310</u>					
5. Address: <u>30 E PIKES PEAK AVE STE 283</u> City: <u>COLORADO</u> State: <u>CO</u> Zip: <u>80903</u> <u>SPRINGS</u>							
6. Contact Name: <u>David Cook</u> Phone: <u>(719)355-1320</u> Fax: <u>(719)314-1362</u> Email: <u>dave@framamericas.com</u>							
7. Well Name: <u>Lough</u> Well Number: <u>36-1-P</u>							
8. Unit Name (if appl): <u>Whitewater</u> Unit Number: <u>73038X</u>							
9. Proposed Total Measured Depth: <u>4457</u>							
WELL LOCATION INFORMATION							
10. QtrQtr: <u>SWSE</u> Sec: <u>36</u> Twp: <u>1S</u> Rng: <u>2E</u> Meridian: <u>U</u> Latitude: <u>39.021900</u> Longitude: <u>-108.318000</u>							
Footage at Surface: <u>790</u> feet FNL/FSL <u>FSL</u> 1868 feet FEL/FWL <u>FEL</u>							
11. Field Name: <u>WILDCAT</u> Field Number: <u>99999</u>							
12. Ground Elevation: <u>5544</u> 13. County: <u>MESA</u>							
14. GPS Data: Date of Measurement: <u>07/31/2001</u> PDOP Reading: <u>6.0</u> Instrument Operator's Name: <u>JEFF FLETCHER</u>							
15. If well is <input type="checkbox"/> Directional <input checked="" type="checkbox"/> Horizontal (highly deviated) submit deviated drilling plan. Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL <u>761</u> <u>FSL</u> <u>1584</u> <u>FEL</u> <u>668</u> <u>FSL</u> <u>664</u> <u>FEL</u> Sec: <u>36</u> Twp: <u>1S</u> Rng: <u>2E</u> Sec: <u>36</u> Twp: <u>1S</u> Rng: <u>2E</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>2 mi</u>							
18. Distance to nearest property line: <u>522 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>286 ft</u>							
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.)			
Dakota	DKTA						

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#: 20090041

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):
S2 SE4, SEC 36, 1S, 2E

25. Distance to Nearest Mineral Lease Line: 556 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 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: Drill with air dry cuttings

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
CONDUCTOR	16	14	24#	0	100	100	60	0
SURF	11	8+5/8	24#	0	470	300	470	0
1ST	7+7/8	5+1/2	14#	0	4,457	500	4,457	1,194

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

33. Comments To be drilled from the Lough 36-1 pad (API 05-077-0894-00. The pad is built, The pits have been constructed, this re-file will not require any expansions/additional surface disturbance, the location does not require a variance from any fo the rules listed in Rule 306.d.(1).(A)(ii) and the location is not in a Wildlife restricted surface occupancy area.

34. Location ID: 334471

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: David Cook

Title: Manager Date: 5/18/2011 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: David S. Nash Director of COGCC Date: 6/10/2011

API NUMBER

05 077 09249 00

Permit Number: _____ Expiration Date: 6/9/2013

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.) THE MOISTURE CONTENT OF ANY DRILL CUTTINGS IN A CUTTINGS PIT, TRENCH, OR PILE SHALL BE AS LOW AS PRACTICABLE TO PREVENT ACCUMULATION OF LIQUIDS GREATER THAN DE MINIMIS AMOUNTS. AT THE TIME OF CLOSURE, THE DRILL CUTTINGS MUST ALSO MEET THE APPLICABLE STANDARDS OF TABLE 910-1.

2.) NO PORTION OF ANY PIT THAT WILL BE USED TO HOLD LIQUIDS SHALL BE CONSTRUCTED ON FILL MATERIAL, UNLESS THE PIT AND FILL SLOPE ARE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER, SUBJECT TO REVIEW AND APPROVAL BY THE DIRECTOR PRIOR TO CONSTRUCTION OF THE PIT. THE CONSTRUCTION AND LINING OF THE PIT SHALL BE SUPERVISED BY A PROFESSIONAL ENGINEER OR THEIR AGENT. THE ENTIRE BASE OF THE PIT MUST BE IN CUT.

3.) THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 150 FEET DEEP.

4.) PRODUCTION CASING CEMENT TOP VERIFICATION BY CBL REQUIRED.

Attachment Check List

Att Doc Num	Name
400164371	FORM 2 SUBMITTED
400166129	30 DAY NOTICE LETTER
400166130	EXCEPTION LOC WAIVERS

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	David Cook of Fram Operating LLC (email 5/20/11) verifies there are no changes from drilling plan of previous APD approved 1/15/09. dhs	5/20/2011 10:22:41 AM

Total: 1 comment(s)

BMP

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

Total: 0 comment(s)